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DUGWAY PROVING GROUNDS, UT

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723

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REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-90/228, SURFACE OBSERVATION CLIFATIC SUMMARIES FOR DUGNAY PROVING GROCHOS/MICHAEL AAF UT, AUGUST 1990, HAS BEEN REVIEWED AND IS APPROVED FOR PUBLIC RELEASE. THERE IS NO OBJECTION TO UNLIMITED DISTRIBUTION OF THIS COCUMENT TO THE PUBLIC AT LARGE, OR BY THE DEFENSE TECHNICAL INFORMATION CENTER (DTIC) TO THE NATIONAL TECHNICAL INFORMATION SERVICE (NTIS).

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FOR THE COMMANDER

WALTER S. BURGMANN SCIENTIFIC AND TECHNICAL INFORMATION PROGRAM MANAGER

REPORT DOCUMENTATION PAGE

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- 11. SUPPLEMENTARY NOTES: EFFECTIVE JULY 1 1988, THIS PRODUCT REPLACED TWO USAFETAC DOCUMENTS FORMERLY KNOWN AS THE REVISED UNIFORM SUMMARY OF SURFACE OBSERVATIONS (RUSSMO) AND THE LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCS). EXISTING RUSSMOS AND LISOCS WILL CONTINUE IN USE, BUT WILL EVENTUALLY BE BY A SOCS.
- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
- 13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE MEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOO) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
- 14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC FHENOMENA, WEATHER, SOCS, DUGWAY PROVING GROUNDS UTAH, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.
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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SECSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSNO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSNO GRADUALLY EVOLVED INTO THE "RUSSNO" AND THE "LISCOS." IT FIHALLY SECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTB USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S MORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

CONTENTS

INTRODUCTION
STATION PERIOD OF RECORD
DATA SOURCES
TERMS EXPLAINED.
TIME COLVENTIONS
ABBREVIATIONS
SUMMARY DESCRIPTIONS
STATION HISTORY
PART A - ATMOSPHERIC PHENOMENA SUMMARIES
SPECIFIED PHENOMENA
PERCENT OCCURRENCE FREQUENCY (FROM HOURLY OBS)
PERCENT OCCURRENCE FREQUENCY (FROM SOD DATA)
PERCENT OCCURRENCE FREQUENCY (THUMDERSTORMS)
VERSUS WIND DIRECTION PERCENT OCCURRENCE FREQUENCY,
PART # - PRECIPITATION, SNOWFALL, AND SHOW DEPTH
PRECIPITATION
PERCENT OCCURRENCE FREQUENCY
MONTHLY TOTALS
DAILY EXTRÊMESB-2-1
SNOWFALL
PERCENT OCCURRENCE FREQUENCY
MONTHLY TOTALS8-3-3
DAILY EXTREMES9-3-
SHOW DEPTH
PERCENT OCCURRENCE FREQUENCY
DAILY EXTREMESB-4-
SNOWFALL/SNOW DEPTH
FIRST AND LAST DAYS OF OCCURRENCE BY SHOW-YEARB-5-
PART C - SURFACE WIND
PEAK WINDS (FROM SOD DATA)
PEAK WINDSPERCENT OCCURRENCE FREQUENCY (FROM SGO DATA)
WIND DIRECTION VS WIND SPEED POF (FROM HOURLY OBS)
PART D - CEILING, VISIBILITY AND SKY COVER
CEILING VE VISIBILITY POF (FROM HOURLY OBS)
SKY COVERPOF (FROM HOURLY OBS)
SKT COVER TPUP (FRUM MOUNCE OBS)

PART E - TEMPERATURE AND RELAT -T MMIDITY
TEMPERATURES CUMULATIVE PC ((FROM SCO DATA)
MAXIMA
MINIMA
MEAN
MONTHLY TEMPERATURES (FROM SOU DATA)
MAXIMAE-3-1
MINIMAE-3-2
NEAHE-4-1
DRY BULS, HEY BULB, DEW POLIT TEMPERATURES (FROM HOURLY OBS)
CRY BULB
WET BULBE-5-2
DEW POINT
RELATIVE HUMIDITY (FROM HOURLY OBS)
CUMULATIVE PERCENT OCCURRENCE FREQUENCY
COMPLAINTE PERCENT OCCOMMENCE PRESIDENCI
PART F - PRESSURE (FROM HOURLY OBS)
SEA LEVEL PRESSURE
ALTIMETER SETTINGF-3-1
STATION PRESSUREF-4-1
PART G - CROSSWIND SUMMARIES (FROM HOURLY OBS)
PERCENT OCCURRENCE FREQUENCY
PART H - DEGREE DAY SUMMARIES (FROM HOURLY OBS)
HEATING DEGREE DAYSH-2-1
COOLING DEGREE DAYS

*** NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS ***

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: MAY 60 - DEC 70, JAN 73 - JUN 76, JAN 84 - APR 90 (AIRMAYS).

SUMMARY OF DAY DATA: JUN 43 - JAN 46, DEC 49 - FEB 67 (FULL TIME).

SUMMARY OF DAY DATA: MAR 67 - JUN 76, JUL 84 - APR 90 (PART TIME - CLOSED WEEKENDS).

HOURS SUMMARIZED: 00 - 23 LET (EXCEPT VARIABLE HOURS 6703-7606 AND 06-17 LST 8401-9004).

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM MHOURLY OBSERVATIONS" AND/ OR SUMMARY OF DAY DATA, "DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART TO EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENC RIBUTION, JOINT FREQUENCES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY CESERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (\$00) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING MOUNTY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF ANS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING MONOPERATIONAL MOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAM: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE ANOUNT: ANY PRECIPITATION OR SHOWFALL AMOUNT GREATER THAN A

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE MUNGER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE HUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

FRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE JUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

 0000-0200
 1200-1400

 0300-0500
 1500-1700

 0600-0200
 1800-2000

 0900-1100
 2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN DESERVATION COUNTS.

ABBREVIATIONS USED:

AHT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	Ħ	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DECREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	HUMBER
EQ	EQUAL	088	OBSERVATION
F	FAHRENHEIT	7880	OBSTRUCTION
FR2G	FREEZING	2 0 ₹	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRICIPITATION
GE	GREATER THAN OR EQUAL TO	80	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SO0	SUBBLARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUMDERSTORM
HT	HEIGHT	V\$8 Y	VISIBILITY
KTS	KNOTS	VSM	VISION
LE	LESS THAN OR EQUAL TO	us.	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WEAR	AHS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECELES EACH PART IN THE SOCS.

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINASS AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION DATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER ROW INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

^{*} UTC REPLACED GHT ON 1 AUGUS! 1988

ATION NO. SUMMARY			ł	LATITUDE	ju	MCITUDE	FLD ELEV (FT	ALL	S.JH MMC	NMBR
90110	DUGHAY PG/HICHAEL A	AF, UT		N 40 12	-	1 112 56	4351	KDPG	690	11
	\$1	ATION LOCAT	TON A	NO INSTR	UNENT	ATION HIST	ORY		• • • • • • • • • • • • • • • • • • • •	
c	APHICAL LOCATION & NAME		• • • • •			LATITUDE	LONGITUDE	,		•
Same Same Same	PG, UT PG/Michael AAF , UT	Same Same	Jan Dec (Apr.) Apr. Har (Har) Har (Dec Jun)	44 Jan 49 Mar 53 Mar 55 Feb 57 Feb	46 53 55 57 65 67 76 84 86	Same	Same	4338 4359 Same Same Same Same Same 4351 4350	4346 4356 4359 Same Same	24 24 24 24 24 24 13 13 13
br Date f Change c				TYPE OF			hT ABOVE M			
Jun 4 Jan 4 Jul 4 Dec 4 Apr 5 Mar 5 Mar 6 Jul 9	Same Atop whather statio Same Atop Bldg 4126 Same	de		inemotete Same Same Iniez ame Iame N/GMQ-11	er 	kone Hone None Aerovane Same Same RO-2 Same	33 ft 24 ft 54 ft			

ppppp	PPPPPPPP		MANA		RERR	TTTTTTTT	AAAAA	
PPPPP		w	ww	RRRR	RRRRR	TTTTTTTT	AAAA	AAAA
PP	PP	AA	M	RR	RR	7.7	M	AA
PP	PP	AA	AA	RR	RE	77	AA.	AA
	PPPPPPP AA		AA	RRRR	RRRRR	TT	AA	M
ppppp		AAAA	MANA	RRRR	RRRR	T T	AAAA	AAAAA
PΦ	• • •	AAAA	MAMA	RR	RR	TŢ	AAAA	MM
PP		AA.	AA	ER	RR	TT	AA.	A.A
pp		AA	AA	RR	RR	ŦŤ	AA.	A.A
90		ÄÄ	AA	20	R.	TT	A 4	A.A

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PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUMDERSTORMS: ALL REPORTED OCCURRENCES OF THUMDERSTORMS, TORADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW RAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SNALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SHOKE AND/OR HAZE: SHOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SHOW: ALL REPORTS OF BLOWING SHOW, INCLUDING DRIFTING SHOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLLUES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA -- PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAXEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMMINED).

A - 1 - 2

- SPECIFIED PHENOMENA -- PERCENT OCCURRENCE FREQUENCY (POF).
 THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ADMINALLY FOR ALL YEARS COMBINED.
- THUMBERSTORMS--PERCENT OCCURRENCE FREQUENCY.
 TH'S TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUMBERSTORMS REPORTED ON
 THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE 14 THIS PART.
- SPECIFIED PHENOMENA VS WIND DIRECTION -- PERCENT OCCURRENCE FREQUENCY.
 THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL MEATHER STATION.
- MOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYMOPTIC REPORTING STATIONS RECORD (ON AUS FORMS 10/10A) AND TRANSHIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PREMOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYMOPTIC STATIONS ALMAYS DID IT THAT HAY. IN JANUARY 1970, METAR STATIONS STATED RECORDING ALL ATMOSPHERIC PHEMOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN HAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE MOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SLUMMARIES FOR METAR AND SYMOPTIC STATIONS ARE HIGHLY QUESTIONABLE.
- NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.
- MOTE 3: A VALUE OF ".O" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.
- NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR MEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A" USAFETAC, ASHEVILLE NO

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM HOURLY OSSERVATIONS

STATIO	M WJMBER:	690110		N NAME:		PROVING (ROUND	t UT	PERIOD (D: MAY 6	60 - APR 90
HOURS (LST)	TSTHS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR MAZE	BLOWING	DUST E/QR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		.8	.6	4.3	•••••	5.7	9.2	.6	••••••	.2	15.7	651
03-05		.4	.1	6.0		6.5	8.7	.4	.3		15.9	734
06-08		.9	.5	5.8		7.2	10.0	.2	.1		17.5	1436
09-11	1	1.4	.1 ;	7.3		8.8	10.9	.3	.1		20.2	1474
12-14	ĺ	1.3		5.9		7.2	8.4	.6	.3	.1	16.5	1460
15-17		1.2		3.9		5.1	5.9	.7		.8	12.6	1179
18-20	l	.1		3.8		3.9	5.5	.1	.1	.8	10.5	744
21-23	l	.5	.6	4.8		5.8	8.1	.8	.3	.5	15.5	651
ALL												
HOURS	! • • • • • • • • • • • • • • • • • • •	. 	.2 	5.4	•••••	6.6	8.6	.5	.2	3	16.1	8329
									MONTH:	FEB		
00-02		1.4	•••••	2.5	• • • • • •	3.9	3.0	••••••		• • • • • • •	6.9	591
03-05		1.7		4.1		5.8	5.2	.2	.3		11.5	652
06-08		1.7		5.3		7.1	6.8	.2	.1	.1	14.3	1317
09-11		2.9		6.3		9.2	6.9	.2		.2	16.5	1356
12-14		2.2		5.5		7.7	3.6	.6	.1	.3	12.3	1337
15-17	.4	2.9		2.9		5.7	2.5	.6	.1	.7	9.7	1079
18-20		3.7		2.1		5.8	1.3			.3	7.4	678
21-23		2.2		2.0		4.2	.7				4.9	591
ALL HOURS	.1	2.4		4.3		6.7	4.2	.3	.1	.2	11.5	7601

OPERATING LOCATION "A" USAFETAC, ASHEVILLE NO.

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM HOURLY OBSERVATIONS

USAFEI	AC, ASPEV	ILLE NC				FROM H	IOURLY O	BSERVAT I	ONS			
STATIO	H WWBER:	690110		N NAME: UTC: +		PROVING	GROUNDS	UT	PERIOD MONTH:		RD: MAY	60 - APR 90
HOURS (LST)	TSTHS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	i	2.7	•••••	2.9	• • • • • • •	5.6	.8.	• • • • • • •	• • • • • • • •	• • • • • • • •	6.4	591
03-05	l	1.0		2.9		3.9	2.0		.1	.1	6.2	693
06-08		2.3		3.6		5.9	2.5		.3	.1	8.8	1466
09-11	.1	1.8		4.1		5.9	1.8	.1		2	8.0	1519
12-14		2.1		4.1	.1	6.2	1.4	.1	.1	.9	8.6	1473
15-17	.3	2.6		4.0		6.6	1.0	.1	.1	.9	8.6	1206
18-20	i	2.4		3.2		5.6	.8		.3	2.3	9.0	744
21-23		3.2		3.1		6.3	1.5		.8	.3	9.0	590
ALL HOURS	.1	2.2		3.6	.0	5.9	1.6	.0	.2	.6	8.2	8282
*****	•	•••••	•••••	• • • • • •	•••••	• • • • • • • •	•••••	• • • • • • •	MONTH:	APR	• • • • • • •	••••••
00-02	!	4.8	•••••	1.9	• • • • • •	6.7	4	• • • • • • •	4	7	8.1	540
03-05		3.5		2.4		5.9	.1		.1		6.2	744
06-08	.1	4.0		3.3		7.2	1.3	.1		.1	8.7	1438
09-11		3.7		3.4		7.1	1.3		.1	.3	8.8	1483
12-14	.4	5.0		3.6		8.6	1.0			.8	10.5	1443
15-17	.3	5.0		1.8		6.8	1.1			2.0	9.9	1101
18-20	1.1	6.1		2.6		8.8	1.7			1.9	12.4	720
21-23		4.6		1.9		6.5	2.0				8.5	540
ALL	.2	4.5		2.8		7.3	1.1	.0	.0	.7	9.3	8009

A - 2 - 2

OPERATING LOCATION "A" USAFETAC, ASHEVILLE NO

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM HOURLY OBSERVATIONS

STATION	NUMBER:	690110	STATIC	N NAME:	DUGWAY 7	PROVING 0	ROUNDS	UT	PERIOD MONTH:		D: MAY 6	60 - APR 90
HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SHOKE &/OR HAZE	BLOWING SHOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		3.1	• • • • • • • •	.5		3.5	• • • • • •	•••••	• • • • • • • • •	.3	3.8	651
03-05	.1	2.4		.5		2.9	.2				3.1	873
06-08		3.9		.6		4.5	.3				4.8	1528
09-11	.2	4.5		.5		4.9	.5			.1	5.4	1524
12-14	1.2	4.4		.6	.1	5.1	.2			.2	5.5	1461
15-17	2.4	5.1		.5		5.5	.2			.9	6.6	1101
18-20	1.8	5.5		.5		6.0				1.1	7.0	837
21-23		4.5		.2		4.6				.9	5.5	651
ALL HOURS	.7	4.2		.5	.0	4.7	.2			.4	5.3	8626
									MONTH:	JUN		
00-02	.6	4.1	•••••	••••••	• • • • • •	4.1	.2	• • • • • • •		.2	4.4	630
03-05	.1	4.2	!			4.2	.2				4.5	853
06-08	.2	3.3	:		.1	3.4	.5			.1	4.0	1500
09-11	.3	3.1				3.1	.2				3.3	1505
12-14	2.0	3.9				3.9	.1			.1	4.0	1437
15-17	3.8	5.2				5.2	.2			.7	6.1	1067
18-20	2.5	5.1				5.1		.1		.2	5.4	810
21-23	.3	3.0				3.0					3.0	630
ALL HOURS	1.2	3.9			.0	3.9	.2			.1	4.3	8432

OPERATING LOCATION "A" USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM HOURLY OBSERVATIONS

STATION	NUMBER:	690110		N NAME:		PROVING (ROUNDS	TU	PERIOD MONTH:		D: MAY 6	0 - APR 90
HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP		HAIL	PRECIP	FOG	SMOKE 4/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	•••••	.9	•••••	•••••	*****	.9	•••••	•••••	• • • • • • • •	• • • • • • •	.9	<i>i5</i> 1
03-05	.1	1.3				1.3					1.3	850
06-08	.3	.8				.8					.8	1468
09-11	.1	.9				.9					.9	1486
12-14	1.3	1.8				1.8					1.8	1412
15-17	3.9	2.6				2.6				.1	2.7	1074
18-20	2.7	3.1				3.1					3.1	837
21-23	1.2	1.5				1.5					1.5	651
ALL HOURS	1.2	1.6				1.6				.0	1.6	8429
•••••	•••••	• • • • • • • •	•••••	•••••	•••••	•••••	•••••	••••	MONTH:	AUG	•	
00-02	1.2	2.0	••••••	• • • • • • •	******	2.0	•••••	• • • • • • • •	• • • • • • • • • •		2.0	651
03-05	.8	1.6				1.6					1.6	850
06-08	.7	1.1				1.1				.1	1.2	1477
09-11	.1	1.2				1.2					1.2	1496
12-14	1.2	1.4				1.4				.1	1.5	1428
15-17	4.9	3.2				3.2					3.2	1076
18-20	5.6	4.4				4.4				.5	4.9	810
21-23	2.6	3.7				3.7					3.7	651
ALL HOURS	1.9	2.1	•••••		•••••	2.1			• • • • • • • •	.1	2.2	8439

OPERATING LOCATION "A" UBAFETAC, AGNEVILLE NO

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM HOURLY OBSERVATIONS

STATION	WATER:	690110	STATIC	N NAME:	7	PROVING O	ROUNDE	UT	PERIOD (RD: MAY 6	0 - APR 4
NOURS (LET)	TRINS	LIQUID PRECIP	FREEZ PRECIP		HAIL	PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SHOW	DUST &/OR SAND	ALI. OBST TO VSN	TOTAL NO. OF OBS
00-02	.8	1.7	•••••	••••••	•••••	1.7	*****	•••••	• • • • • • • • •	• • • • • • •	1.7	630
03-05	1.7	2.9				2.9					2.9	814
06-08	.9	3.1				3.1	.1			.1	3.3	1392
09-11	.4	3.1				3.1	.1				3.2	1394
12-14	1.2	3.1				3.1				.1	3.1	1334
15-17	2.5	2.5				2.5				.1	2.6	1013
18-20	.8	2.3				2.3				.3	2.6	780
21-23	.8	5.5				2.2				.3	2.5	630
ALL HOURS	1.1	2.7				2.7	.0			.1	2.9	7987
									MONTH:	OCT		
00-02		3.4	••••••	• • • • • • •		3.4	.2	•••••	•••••	• • • • • •	3.5	651
03-05		1.8		.2		2.1	.5				2.6	823
06-08	.2	3.2		.6		3.7	1.2			.1	5.0	1451
89-11	.1	2.7		.7		3.4	.8				4.1	1450
12-14	.•	3.1		.8	.1	3.9	.9			.4	5.2	1395
15-17	, .5	3.8		.1		3.9	.6			.5	5.0	1077
18-20	.1	2.8		.5		3.3	.2				3.6	813
21-23	.2	2.3		.3		2.6	.2				2.8	651
ALL HOURS:	, .3	2.9		.5	.0	3.4	.7			.1	4.2	8311

OPERATING LOCATION "A" USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHEMOMENA FROM HOURLY OBSERVATIONS

	• • • • • • • • • • • • • • • • • • • •					THOM IN		- OEKTAII	ONE			
STATIO	N HUMBER:	690110	STATIC LST TO	N NAME:	DUGHAY 7	PROVING (SROUND 8	UT	PERIOD MONTH:	OF RECO	D: MAY 6	iO - APR 90
HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SHOKE &/OR HAZE	BLOWING	DUST &/OR SAND	ALL OBST TO VSM	TOTAL NO. OF OBS
00-02	.3	3.7	*****	2.1	•••••	5.7	1.6	•••••	••••••	*******	7.3	630
03-05		3.2		1.7		4.9	2.8	.3			8.0	709
06-08		3.2		2.9		6.1	2.8	.2			9.1	1325
09-11	l	1.9	.1	3.5		5.4	2.8				8.2	1358
12-14		2.4		2.4		4.8	1.4			.5	6.6	1333
15-17		2.8		1.4		4.2	.8			.4	5.4	1065
18-20		3.6		1.8		5.4	1.8				7.2	777
21-23		2.5		2.2		4.8	2.1				6.8	630
ALL HOURS	.0	2.8	.0	2.4	••••	5.2	2.0	.1		.1	7.4	7827
									MONTH:	DEC		
00-02		.9	•••••	7.4	• • • • • •	8.3	15.7	.2	• • • • • • • •	• • • • • • • •	24.1	651
03-05		1.2		7.1		8.3	16.7	.7			25.7	735
06-08	.2	1.3	.2	7.8		9.4	17.2	1.1		.2	27.8	1304
09-11	.1	1.9		9.9		11.9	15.5	1.0	.1		28.5	1340
12-14		2.3		6.1		8.4	8.5	.5	.1		17.6	1327
15-17		2.3		5.0		7.2	5.7	.6	.1	.2	13.8	1105
18-20		2.0		5.0		7.0	8.3	.4			15.7	744
21-23		2.5		6.0		8.4	10.1	.5			19.0	651
ALL HOURS	.1	1.8	.0	7.0		8.8	12.2	.7	.0	.1	21.9	7857

A - 2 - 6

OPERATING LOCATION "A" USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 HOURS: ALL

			LSI IC	outc: +	7				HOURS:	ALL		
MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST 2/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN		.9	.2	5.4	•••••	6.6	8.6	.5	2	.3	16.1	8329
FEB	.1	2.4		4.3		6.7	4.2	.3	.1	.2	11.5	7601
MAR	.1	2.2		3.6	.0	5.9	1.6	.0	.2	.6	8.2	8282
APR	.2	4.5		2.8		7.3	1.1	.0	.0	.7	9.3	8009
MAY	.7	4.2	:	.5	.0	4.7	.2			.4	5.3	8626
JUN	1.2	3.9			.0	3.9	.2	.0		.1	4.3	8432
JUL	1.2	1.6				1.6				.0	1.6	8429
AUG	1.9	2.1				2.1				.1	2.2	8439
SEP	1.1	2.7				2.7	.0			.1	2.9	7987
ост	.3	2.9		.5	.0	3.4	.7			.1	4.2	8311
NOV	.0	2.8	.0	2.4		5.2	2.0	.1		.1	7.4	7827
DEC	.1	1.8	.0	7.0		8.8	12.2	.7	.0	.1	21.9	7857
ANNUAL	.6	2.7	.0	2.2	.0	4.9	2.5	.1	.0	.2	7.8	98129

OPERATING LOCATION 'A' USAFETAC, ASHEVILLE NO

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS LIT PERIOD OF RECORD: 4912-7606,8407-9004 LBI TO UTC: +07 MONTH: ALL HUUKS: ALL SHOKE BLOWING HONTH TSTMS LIQUID FREEZ FROZEN HAIL ALL FOG DUST ALL TOTAL PRECIP PRECIP PRECIP PRECIP 4/OR SHOW &/OR OBST NO. OF HAZE SAND TO VSM 085 JAN .2 9.5 1.4 25.5 .1 31.0 18.3 1.9 37.7 1.4 .5 860 FEB .4 13.5 .3 21.9 .5 30.7 14.4 1.8 1.1 .4 35.3 787 MAR .7 18.6 19.7 .6 30.7 7.3 .2 1.4 1.1 31.8 849 APR 2.4 24.5 10.9 .8 29.7 5.6 .1 .2 1.7 30.7 824 7.7 HAY 27.9 2.0 28.2 1.2 1.6 .6 1.4 29.5 804 JUN 7.2 21.6 1.2 21.6 1.1 .1 .2 21.8 816 11.9 17.7 17.7 JUL .1 .1 18.0 824 13.1 19.6 19.6 AUG .1 .1 20.1 .6 846 5.9 SEP 16.6 .3 .6 16.6 .6 .4 .5 17.2 793 OCT 2.8 14.3 2.9 .6 15.2 2.9 .5 15.7 820 .6 NOV 13.2 11.7 .3 21.3 8.0 .4 .6 24.8 778 45.1 DEC .5 12.2 25.7 34.1 24.1 1.8 1.0 .1 812 .4 ANNUAL 4.5 17.4 .2 10.1 24.8 7.0 27.3 9613 .6 .6 .6

OPERATING LOCATION "A" USAFETAC, ASHEVILLE NO

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7

			201 10										
HOURS (LST)	JAN	FEB	MAR	APR	HAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	••••
00-02	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	•••••	• • • • • • •	••••••	.6	•••••	1.2	.8	.6	.3	• • • • • • • • • • • • • • • • • • • •	••••
03.05					.1	.1	.1	.8	1.7				
06-08				.1		.2	.3	.7	.9	.2		.2	
09-11			.1		.2	.3	.1	.1	.4	.1		.1	
12-14				.4	. 1.2	2.0	1.3	1.2	1.2	.9			
15-17		.4	.3	.3	2.4	3.8	3.9	4.9	2.5	.5			
18-20				1.1	1.8	2.5	2.7	5.6	.8	.1			
21-23						.3	1.2	2.6	.8	.2			
ALL HOURS		.1	.1	.2	.7	1.2	1.2	1.9	1.1	.3	.0	.1	
TOTAL OSS	8329	7601	8282	800 7	8626	8432	8429	8439	7987	8311	7827	7857	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NO

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NAME: DUGHAY PROVING GROUNDS UT LST TO UTC: + 7 STATION HUMBER: 690110

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 · 119	120 - 189	190 - 299	300 - 359	40 OF 085
TSTMS			• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••
LICUID PRECIP	5.1		17.7	40.5	22.8	13.9	79
FREEZING PRECIP	33.3			22.2	22.2	22.2	18
FROZEN PRECIP	16.0		16.6	20.1	25.4	21.9	457
FOG	27.6		13.6	14.9	24.2	20.0	711
FOG WITH VIS GE 1/2 MILES	25.8		14.8	16.4	23.5	19.5	493
TOTAL OBS	2008	0	1409	2492	1472	938	0 8319

						IONTH: FEB H	OURS ALL	
TSTMS			5 0.0		50.0			4
SEFTIA FIGNID	13.4		22.3	26.3	22.3	15.6		179
FREEZIMO PRECIP								
FROZEN PRECIP	18.2		19.7	14.5	17.9	29.7		330
FOG	25.2		12.3	19.2	22.7	20.5		317
FOG WITH YIS GE 1/2 MILES	23 - 6		12.6	15.7	24.8	23 .2		254
TOTAL OBS	1497	0	1499	2122	1290	1184	0	7592

A - 5 - 1

OPERATING LOCATION "A" USAFETAC, ASHEVILLE NO

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION HUMBE	R: 690110	STATION NAM	E: DUGHAY PI + 7	ROVING GROUNDS			: MAY 60 - APR 90 RB: ALL
PHENOMENA	CALM		360 - 119	120 - 189	190 - 299		NO OF OBS
TSTMS		••••••	80.0	20.0	• • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	5
LIQUID PRECIP	13.2		17.0	17.0	21.4	31.3	182
FREEZING PRECIP							
FROZEN PRECIP	8.9		22.1	8.9	22.8	37.3	303
FOG	19.8		15.3	10.7	16.8	37.4	131
FOG WITH VIS GE 1/2 MILES				8.7			104
TOTAL OBS	1103	0	1784	2214	1690	1480	0 8271
					•	ONTH: APR HOU	RS: ALL
TSTM\$			10.5	15.8	63.2	10.5	19
LIQUID PRECIP	5.0		21.4	22.6	24.0	27.0	359
FREEZING PRECIP							
FROZEN PRECIP	7.6		8.9	10.7	32.4	40.4	225
FOG	10.9		8.7	10.9	39.1	30.4	92
FOG WITH VIS GE 1/2 MILES	10.9		8.7	10.9	39.1	30.4	92
TOTAL OSS	824	0	1552	2146	2006	1477	0 8005

OPERATING LOCATION MAN PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHEPIC PHENOMENA

	LST TO UTC:	+ 7			PERIOD OF RECORD: MONTH: MAY HOURS	: ALL
CALM	VAR I ABLE	360 - 119	120 - 189	190 - 299	300 - 359	80 3C OK
	• • • • • • • • • • • • • • • • • • • •		7.9	33.3		63
5.0		20.2	16.3	32.3	26.2	362
2.4		7.3	9.8	39.0	41.5	41
5.6		5.6	44.4	22.2	22.2	18
						16
1118	٥	1798	2107	2270	1420	0 862
					MONTH: JUN HOURS	-
1,9	• • • • • • • • • • • • •	21.5	14.C	40.2	22.4	107
6.7		23.9	17.5	27.0	24.8	326
11.8		17.6	17.6	23.5	29.4	17
			18.8	44.5	31.3	16
	5.0 2.4 5.6 6.3 1118	2.4 5.6 6.3 1118 0	CALM VARIABLE 360 - 119 36.5 5.0 20.2 2.4 7.3 5.6 5.6 6.3 6.3 1118 0 1798 1,9 21.5 6.7 23.9	CALM VARIABLE 360 - 119 120 - 189 36.5 7.9 5.0 20.2 16.3 2.4 7.3 9.8 5.6 5.6 44.4 6.3 6.3 43.8 1118 0 1798 2107 1.9 21.5 14.0 6.7 23.9 17.5	CALM VARIABLE 360 - 119 120 - 189 190 - 299 36.5 7.9 33.3 5.0 20.2 16.3 32.3 2.4 7.3 9.8 39.0 5.6 5.6 44.4 22.2 6.3 6.3 43.8 18.8 1118 0 1798 2107 2270 1.9 21.5 14.0 40.2 6.7 23.9 17.5 27.0	CALM VARIABLE 360 - 119 120 - 189 190 - 299 500 - 359 36.5 7.9 33.3 22.2 5.0 20.2 16.3 32.3 26.2 2.4 7.3 9.8 39.0 41.5 5.6 5.6 44.4 22.2 22.2 6.3 6.3 43.8 18.8 25.0 1118 0 1798 2107 2270 1420 MONTH: JUN HOURS 1.9 21.5 14.0 40.2 22.4 6.7 23.9 17.5 27.0 24.8

A · 5 · 3

OPERATING LOCATION HAM USAFETAC, ASHEVILLE NO

FOG

FOG WITH VIS GE 1/2 MILES

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

						MONTH: JUL HOURS	S: ALL
PHENOMENA	CALM	VARIABLE	360 - 119		190 - 299	300 - 359	NO OF ORS
TSTHS	3.0	• • • • • • • • • • • • •	26.3		32.3	20.2	↔
LIGUID PRECIP	7.3		32.3	29.8	19.4	11.3	12.
FREEZING PRECIP							
FROZEN PRECIP							
FOG							
FOG WITH VIS GE 1/2 MILES	İ						
TOTAL OS	1163	٥	1625	2471	2180	988	0 8427
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
						MONTH: AUG HOURS	
TSTHS	1.9					21.9	160
LIQUID PRECIP	5.3		27.1	27.1	27.6	12.9	170
FREEZING PRECIP							
FROZEN PRECIP	<u> </u>						

TOTAL ORS | 1237 0 1607 2443 2086 1060 0 8433

A - 5 - 4

OPERATING LOCATION MAM-USAFETAC, ASHEVILLE NO

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGHAY PROVING GROUNDS UT-LST TO UTC: + 7 PERIOD OF RECORD: MAY 60 - APR 90 MONTH: SEP HOURS: ALL

PHEHOMENA	CALM	VARIABLE	360 - 119	120 - 189	190 - 299	300 · 359	NO OF	085
TSTMS	, 	•••••	20.0	38.9	30.0	11.1	· · · · · · · · · · · · · · · · · · ·	90
LIQUID PRECIP	6.6		34.0	25.5	19.3	14.6	2	12
FREEZING								
PRECIP								
FROZEN								
PRECIP	ļ							
FOG			100.0					2
FOG WITH VIS GE 1/2 MI'.ES			100.0					2
TOTAL OBS	1 1365	0	1541	2165	1798	1 : 13	0	7982

				н	ONTH: OCT H	OURS: ALL	
TSTMS	7.1	 21.4	17,9	17.9	35.7	• • • • • • • • • •	28
LIQUID PRECIP	12.9	25.3	19.1	18.7	24.1		241
FREEZING PRECIP							
PROZEN PRECIP	2.6	10.5	7.9	18.4	60.5		38
FOG	9.1	10.9	25.5	27.3	27.3		55
FOG WITH VIS GE 1/2 MILES	10.6	8.5	19.1	31.9	29.8		47
TOTAL OBS	1689	 1505	2338	1531	1244	ô	8307

OPERATING LOCATION "A" UNAFETAC, ANHEVILLE NO

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHHONENA VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110		STATION NA LST TO UTO	I NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - UTC: + 7 HONTH: NOV HOURS: ALL					
PHENOMENA	CALH	VARIABLE	360 - 119	120 - 189	190 - 299	300 - 359	NO OF OR	
TSTMS			• • • • • • • • • • • • •	• • • • • • • • • • •	100.0	• • • • • • • • • • • • • • • • • • • •	2	
LIQUID PRECIP	8.5		18.8	35.9	21.5	15.2	223	
FREEZING PRECIP	100.0						1	
FROZEN PRECIP	9.2		18.9	5.9	35.1	30.8	185	
FOG	26.4		17.0	18.2	24.5	13.8	159	
FOG WITH VIS GE 1/2 MILES	22.4		18.4	18.4	24.8	16.0	125	
TOTAL OBS	1670		1376	2414	1372	990	0 782	

		•				IONTH: DEC H	OURS: ALL
TSTMS			• • • • • • • • • • • •		• • • • • • • • • • • •	100.0	4
LIQUID PRECIP	17.9		18.6	27.6	15.2	20.7	145
FREEZING PRECIP					66.7	33.3	3
FROZEN PRECIP	31.4		12.4	9.9	25.0	21.2	547
FOG	40.2		17.4	16.5	15.1	10.8	961
FOG WITH VIS	41.6		15.6	15.7	15.9	11.2	712
TOTAL OBS	2111	0	1314	2129	1400	899	0 7853

OPERATING LOCATION "A" USAFETAC, ASHEVILLE NO

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA VERSUS WIND DIRECTION FROM HOURLY ORSERVATIONS

STATION NUMBER: 590110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: HAY 60 - APR 90 LST TO UTC: + 7 MONTHS: ALL PHENOMENA | CALM VARIABLE 360 - 119 120 - 189 190 - 299 300 - 359 NO OF OBS 26.2 TSTMS 1.7 19.6 32.0 20.5 581 LIQUID 8.4 23.1 23.4 23.6 21.4 2602 PREC!P FREEZING 31.8 18.2 27.3 22.7 22 PRECIP FROZEN 17.3 15.9 12.4 25.5 28.9 2126 PRECIP 14.9 FCG 30.4 20.7 17.6 16.4 2463 FOG WITH VIS 29,7 14.7 15.8 21.3 18.5 1861 GE 1/2 MILES ; TOTAL OBS | 16880 0 18556 27039 21260 14317

PPPPP	РРРРРРРР ААААА		RRRR	RRRR	יווזוווווו	638888	38BB	
PPPPP	PPPP	AAAA	AAAA	RRRRI	RRRRR	TTTTTTTT	88888	BBBBB
PP	PP	AA	AA	RR	RR	ΤΤ	86	88
PP	PP	AA .	AA.	RR	RR	۲T	88	99
PPPPP	PPPPPPPPP AA AA		RRRRI	RRRRR	ŤТ	88888	88888	
PPPPP	PPP	ÄAAAA	AAAAA	RRRRI	RKER	TT	888888	88888
PP		AAAAA	AAAAA	RR	RR	: T	B9	88
PP		AA	AA	RR	RR	: T	BS	88
PP	PP AA AA		AA .	22	RR	۲T	88388	88988
00			6.3	7.7	883981	RSBB		

8 - 1 - 1

PRECIPITATION, SHOWFALL, SHOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREGUENCY.

THESE TABLES SIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SHOW DEPTH. DATA IS SAMMARIZED FOR ALL YEARS COMBINED. EISMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH PRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION OCCUPT. A VALUE OF "LOF INDICATES THE OR MORE OCCURRENCES THAT, IN AGGREGATE, ANDURY TO LESS THAN .05 PERCENT.

MONITHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SMOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE COSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS APE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE NONTHS/YEARS ONLY. H.90° MEANS NO PRECIPITATION FOR THE MONTH, H.0° MEANS NO SHOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SHOWFALL, AND SHOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSSEVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOW DEPTH FOR THE MONTH.

SHOWFALL/SNOW DEFTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW
DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE
SNOW-YEAP IS CONSIDERED TO RUM FROM 1 AUGUST TO 31 JULY, YABLES SUMMARIZE
THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN
COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AC EITHER A TRACE OR A MEASURABLE
AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE THE YEAR. THE FIRST (OR LAST)
ENTRY IN COLUMN 69 OTHER THAN ".0" OR "FRACE" DEFIES THE FIRST (OR LAST)
MEASURABLE SNOWFALL. FINALLY, THE 1200 GNT ENTRY COLUMN 70 OF AWS FORM 19/10A
(ON EQUIVALENT) DEFINES IHE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST
SNOW DEFTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED
WHEN NO SNOWFALL OCCURS DURING THE GIVEN POR.

OPERATING LOCATION 'A' USAFETAC, ASHEVILLE NO

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES FROM SUMMARY OF DAY DATA

STATION NUMBER	: 690110		NAME: D		OVING GR	OUNDS UT		PERIOD (D: 4306- H: ALL	4601,491 HOURS:	2-7606,8 ALL	607-9004
AHOUNTS (INCHES)	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANN
NONE	66.7	66.1	64.0	65.0	68.5	74.2	79.0	76.0	81.3	80.4	75.9	63.6	71.8
TRACE	17.1	17.1	18.7	15.0	14.2	11.7	9.4	12.3	7.8	6.5	9.9	18.6	13.2
.01	1.6	2.4	2.0	1.9	2.4	1.8	2.0	1.1	1.7	.7	2.0	2.0	1.8
.0205	5.6	6.2	5.5	5.2	4.6	3.7	4.1	4.2	2.8	3.7	3.6	5.6	4.6
.0610	 4.1	3.1	3.2	4.3	3.1	2.0	2.0	1.6	1.9	3.2	2.5	4.8	3.0
.1125	3.5	2.7	4.8	4.9	4.3	3.6	2.2	2.5	1.7	2.7	3.8	3.4	3.3
.2650	1.2	1.7	1.2	3.1	2.1	1.9	.7	2.0	1.8	2.0	2.1	1.9	1.8
.51-1.00	.3	.8	.5	.6	.8	1.0	.7	.4	.8	.8	.2	.1	.6
1.01-2.50			•			.1			.1	.1			.0
2.51-5.00			.1										.0
5.01-10.00													
10.01-20.00													
OVER 20.00	<u>,</u>			•••••	•••••	•••••	••••		•••••	•••••	•••••	•••••	•••••
DAYS WITH MEAS AMTS	16.2	16.8	17.3	19.9	17.3	14.1	11.6	11.7	10.9	13.1	14.2	17.8	15.1
TOTAL NO. OF OBSERVATIONS	952	844	911	884	867	892	916	938	881	913	867	892	10757

OPERATING LOCATION 'A' USAFETAC, ASHEVILLE NO

TOTAL MONTHLY PRECIPICATION AMOUNTS IN INCHES

STATION NUMBER: 690110 STATION NAME: DUGNAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601, 4912-7606, 8407-9004

LST TO UTC: +97										MONTH: ALL HOURS: ALL					
YEAR	JAN	FEB	HAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	HOY	DEC	ANNUAL		
43	 	• • • • • •				TRACE*	.27	.30	.13	1.39	.37	1.03	3,49*		
44	.48	.47	1.11	1.75	1.08	1.24	.09	TRACE	.47	. 15	. 34	.37	· .55		
45	.03	.62	1.03	. 38	, 26	2.46	.08	.89	. 25	. 80	.75	.07*	T 82*		
46	.27												27*		
49	i .											.30*	.30=		
50	.31	.24				.37	.31	.02	.95	. 56	1.36	.44	4.56*		
51	1.03	.30	.35	.94	.42	. 25	.68	.48	.10	.32	. 75	1.42	7.04		
52	1.37	,06	4.86	1.33	.67	.51	. 03	.04	.00	.00	.55	. 20	9.62		
53	.52	.01	.14	.95	. 25	. 29	1.14	.41	TRACE	.22	. 05	.33	4.31		
54	.22	. 34	1.19	.09	.21	.42	.12	.0/	.23	.58	.58	. 24	4.26		
55	.55	1.38	.02	. 25	.53	.79	, 32	1.36	.68	.70	. 38	.41	7.37		
56	1.07	.75	TRACE	.33	.97	.04	.21	TRACE	.11	.68	.03	.39	4.55		
57	.87	.01	.30	.81	2.37	.66	. 43	.54	.10	.11	. 6 0	.18	6.98		
58	. 14	1.14	.92	.15	. 25	.00	.06	. 8 0	.08	TRACE	.60	.12	4.26		
59	į ,51	. 65	.22	.80	1.02	. 46	.47	. 85	.76	.02	TRACE	.86	6.62		
60	.54	. 88	.65	.35	.25	.04	. 26	. 3 0	.16	.27	.60	.32	4.62		
61	TRACE	. 20	.48	.24	. 39	TRACE	.91	1.32	2.00	1.34	.48	.48	7.84		
62	.53	. 89	.81	.62	.99	.62	. 33	TRACE	.08	.84	. 15	.02	5.88		
63	.26	.62	. 80	1.95	.10	1.79	TRACE	.49	.93	.33	1.48	.32	9.67		
64	.19	.21	.56	1.64	1.24	1.82	.11	. 12	TRACE	.16	.62	1.60	8.27		
65	.44	.46	.34	.77	1.41	.86	.55	1.43	7ن.1	.42	.42	.53	9.30		
66	.28	. 34	,17	.17	.44	TRACE	.û2	TRACE	-	.33	.25	1.11	3.27		
67	.82	.02	. 17	.88	1.12	2.22	.07	.08	.77	.86	.56	.72	3.29		
68	.02	1.19	1.16	1.29	.66	1.11	1.22	1.79	. 13	.93	. 28	1.47	11.25		
69	.55	1.33	.16	1.09	. 04	.79	. 28	.50⇒	.09*	1.08*	. 16*	. 20*	6.27*		
70	.07*	.60*	.14≢	.75*	.11*	.64*	1.68*	.42*	.01*	.40*	. 25*	.39*	5,44*		
71	.62*	. 95*	.10*	1.49*	.84*	1.01*	.00*	.50°	1.29*	1.36*	.55*	.31*	9.02*		
72	.10*	. 17≇	11*	.64*	.02*	.10*	.01*	.28*	1.29*	1.22*	1.00*	.30*	5.24*		
73	.63*	.50*	1.70*	1.04*	.48*	. 36*	.27*	.07*	.17*	TRACE*	1.09*	TRACE*	5.91*		
74	.77*	.07*	.04*	1.01*	.30*	.00*	.17*	.06*	.00*	.74*	.55*	.17*	3.88*		
75	.29*	.03*	1,11*	.47*	1.08*	.34*	.86*	.45*	.16*	. 82*	.20*	.72*	6.53*		

OPERATING LOCATION 'A'
UNAFETAC, ASHEVILLE NO

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES FROM SUMMARY OF DAY DATA

STATION NUMER: 690116 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601,4912-7606,840 - 2004 LST TO UTC: +07 MONTH: ALL HOURS: ALL YEAR FEB MAR APR JAN JUN JUL AUG DEC ANNUAL 2.954 ,96* .96* TRACE* 76 .06* .16* .81* 84 .75* .02* .394 1.16* .57* 85 .40* TRACE* .86* .04* .3¢* .15* .93* .87* .23* 4.79* . 15* .68* .51* .93* 86 .11* ٠٠٥٠ 1.50* 1.41* .43* .34= .24* TRACE* 6.95 .27° .77* .15* .03* TRACE* .65* . 23* .72* .15* 2.97* 87 .0~ .83* TRACE* 1.05* . 26* .27* .444 .32* .06* .04* .03* 4.16* 88 .02* 89 .12* .19* .18* .09* .09* .21* .97* .70* TRACE* .02* 3.34* .14* .09* .43* .05* .71* .01 . 09 .04 .00 TRACE TRACE .00 .00 TRACE .02 3.27 LEAST TRACE TRACE 2.00 1,39 1.48 1.95 1.79 1.60 11.25 GREATEST 1.37 1.38 4.86 2.37 2.46 1.68 .55 .80 .70 .76 .35 .51 .50 .51 .60 6.86 . 48 .73 MEAN .47 .27 7.04 MEDIAN . -8 .48 .80 .53 .57 . 36 . 15 .38 .52 .41 .555 .549 .405 .733 .347 .551 . 368 .459 2.207 .357 .433 1.023 .550 TOTAL OBS 952 844 911 884 867 892 916 381 913 10757

THE GREATEST VALUE OF 4.86 OCCUPRED ON 03/52

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN SOX OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A' USAFETAC, ASHEVILLE NO

.12*

.03*

.26*

.39*

.13*

EXTREME DAILY PRECIPITATION ANOUNTS IN INCHES FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601,4912-7606,84u7-9004 LST TO UTC: +07 MONTH: ALL HOURS: ALL ASHUAL YEAR JAN FEB MAR APR HAY JUN JUL AUC SEP OCT NOV TRACES .43 .43* 43 . 16 .13 .41 .34 . 16 .09 .47 .09 . 27 44 .15 .43 .57 .48 TRACE . 12 .57 . كان .56 45 .03 . 22 .34 .33 .12 1.15 .04 ,46 . 18 .30 .28 .03* 1.15* .09* .09 طند 49 .09* .09* .17 .10 .37 .09 .02 .43 .35 .43* 51 . 15 .59 . 19 .42 .28 . 10 . 26 .09 .25 .10 18 59 .00 .10 .79 .03 2.84 .48 . 35 .02 .03 .00 19 52 .36 2.84 .52 . 28 53 .35 .01 .08 .14 .68 .23 TRACE .13 .03 . 16 .68 .11 .27 .27 .10 .02 .10 . 29 .45 .45 55 .33 .51 .02 .21 .57 .23 .57 .58 .60 .60 .47 .47 .04 .08 TRACE .03 .37 .03 .21 56 .41 .30 TRACE .11 .07 57 .21 .30 .56 .13 .20 .10 .08 .66 . 26 .01 .66 . .0 . 15 .00 58 . 10 .84 .48 .08 .04 .41 .05 TRACE .20 .04 .84 59 . 27 .32 .12 .48 .43 . 22 .42 .50 .41 .02 TRACE . 38 .50 .08 60 .19 .23 .30 .16 .16 .02 .12 .30 .20 .31 .22 .31 .71 1.17 .19 .17 .22 RACE .91 1.17 1.02 .46 .07 .13 61 TRACE .10 .21 .30 .34 .20 .42 . 33 .17 TRACE .08 .79 .02 .79 62 .31 .30 .81 .10 .69 TRACE .40 .43 .15 .95 . 18 .95 63 . 22 .59 .05 .19 .76 . ውያ .33 .43 .76 .11 TRACE .10 64 .20 .46 .14 65 .18 .33 .19 .24 .40 .54 . 16 .35 .89 .42 .89 .21 .12 .09 TRACE .01 TRACE .06 .27 .40 56 .26 67 .10 .31 .02 .03 .56 . 35 .40 .31 .56 . 23 .02 .51 .13 .10 .02 .55 .+6 .20 .41 .36 .61 .40 .62 68 .62 .20* . 95 .39 .07* .15* .11* .19 .56* .95* 69 .62 .14 .02 .01* .31* 70 .02* .60* .12* .27* .07* .23* .62* .31* .14* . 151 .62* .57* .57* .07* .25* .39* .00* .32* .77* .56* .10* .79* 71 .48* .36* .04* .67* .02* .04* .18* .09* .33* .01# .55* .40* .33* . 22 .56* 72 .06* .17* 12* .27* .32* 04* TRACE* .80* .13* TRACE* .80* 73 .23* .50* .04* 74 .30* .05* .42* .30* .00* .05* .06* .00* .23* .37* .00* .42*

B - 2 - 3A

.40*

.09*

11*

.44*

.51*

.40*

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004 LST TO UTC: <37 PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004

		-							.,				
YEAR	[JAH	FEB	HAR	APR	MAY	JUN	JUL	AUG	SEP	OC T	NOV	DEC	ANNUAL
76	.05*	.30*	.14*	.36*	.77*	TRACE*		• • • • • • • • • •	• •••••				.77*
84 85	.25*	TRACE*	.53*	.03*	.24*	.54*	.42* .03*	.02* .15*	.52*	. 28*	.23*	.30* .17*	.42* .54*
56	.08*	.43*	.30*	.47*	.72*	.39*	.32*	.70 *	.41*	. 18*		TRACE*	.72*
ይ? 88	.65*	.05* 07*	.03 *	TRACE*	.05*	.04*	.03*	.64* TRACE*	.23* .49*	.56* .26*	.17* .35*	.08*	.65*
89 90	.12*	.17* .05*	.14*	.02*	.60*	-06*	.09*	.16*	.48*	.62*	TRACE*	.24* .02*	.49* .62* 27*

					.								
GREATEST	.79	. 84	2.84	. 95	.77	1,15	.91	-71	1,17	1.02	.95	.54	2.84
TOTAL OBS						892							10757

THE GREATEST VALUE OF 2.84 OCCURRED ON 03/02/52

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 2 - 38

PERCENTAGE FREQUENCY OF OCCURRENCE OF SHOWFALL IN INCHES FROM SUMMARY OF DAY DATA

STATION NUMBER:	690110		NAME: D		OVING GR	OUNDS U1	r	PER100		D: 430 6- Th: All	4601,491 HOURS:	2-7606,8 : ALL	607- 900 6
AMOUNTS (INCHES)	JAN I	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	AIII
NONE	73.2	76.8	77.9	87.8	97.3	99.9	100.0	100.0	99.9	97.2	88.9	73.6	89.4
TRACE	14.2	14.1	14.5	8.5	1.7	.1			.1	2.2	6.0	15.3	6.4
0.1-0.4	4.2	3.7	2.4	.9	.1					.2	1.3	3.6	1.4
0.5-1.4	4.8	3.0	3.0	1.5	.3					.4	2.3	4.5	1.7
1.5-2.4	2.1	1.2	1.3	.8	.2						1.0	1.9	.7
2.5-3.4	.9	.7	.2	.3	.1						.2	.7	.3
3.5-4.4	.4	.2	.4	.2	.1							.4	.2
4.5-6.4	.1	.2	.2								.2		.1
6.5-10.4													
10.5-15.4													
15.5-25.4													
25.5-50.4													
OVER 50.4													
AAVA (11771)		• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •	••••••	•••••	••••••	•••••	••••••	•••••	••••••	
DAYS WITH MEAS AMTS	12.6	9.0	7.6	3.7	.9					.7	5.1	11.1	4.2
TOTAL NO. OF OBSERVATIONS	952	842	910	884	867	891	917	939	881	913	864	891	10751

TOTAL HONTHLY SHOWFALL AMOUNTS IN INCHES FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT LST TO UTC: +07

PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004 MONTH: ALL HOURS: ALL

	: ALL	TOURS	HH: ALL	HUB						31 10 01	-		
ANHUA	DEC	₩ÔV	OCT.	SE	AUG	INF	JUN	HAY	APR	MAR	FEB	JAN	YEAR
9.7	8.7	TRACE	1.0		.0	.0	.0*		• • • • • • • •	• • • • • • •			43
26.	.8	.3	.0	.0	.0	.0	.0	.0	6.0	9.7	4.6	4.8	44
16.7	TRACE*	3.8	.0	.0	.0	.0	.0	.0	TRACE	9.7	2.9	.3	45
. 91												.9	46
3.5	3.5*											!	49
8.11	1.0	1.6	.0	.0	.0	.0	TRACE				1.5	4.0	5C
24.4	۵.8	4.8	٥.	.0	.0	٥.	c.	TRACE	TRACE	2.4	2.8	7.6	51
24.8	. 3	3.3	.0	.0	.0	.0	.0	.0	TRACE	15.6	.6	5.0	52
4.8	2.5	TRACE	TRACE	.0	.0	.0	.0	TRACE	TRACE	TRACE	TRACE	2.3	53
13.6	1,6	.0	TRACE	. 0	.0	.0	.0	TRACE	TRACE	7.8	2.7	2.1	54
25.6	2.6	2.8	.0	.0	.0	.0	.0	1.1	2.3	. 2	11.8	4.8	55
22.0	2.7	. 3	.4	٠0	.0	.0	.0	.0	1.1	TRACE	7.5	10.0	56
9.9	.6	.6	. 0	.0	.0	.0	с.	.0	.0	.0	.0	8.7	57
12.6	TRACE	5.0	TRACE	.0	.0	٥.	.0	.ŭ	TRACE	5.6	.6	1.4	58
10.	3.4	.0	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	6.2	.9	59
14.3	2.1	TRACE	٠.	.3	.0	.0	.0	TRACE	TRACE	.6	6.2	5.3	60
12.	3.5	6.4	.6	.0	.0	.0	٥.	.0	TRACE	.4	1.2	.0	61
12.8	.5	.5	٥.	.0	.0	.0	.ũ	.0	TRACE	2.9	3.3	5.6	62
28.4	4.9	8.2	.0	٥.	.0	.0	.0	.0	3.9	7.6	.3	3.5	63
24.4	3.1	3.8	TRACE	.0	.0	.0	.0	3.0	2.5	6.2	2.1	3.7	64
24.6	4.4	1.2	.0	.0	٥.	.0	.0	6.4	3.4	1.4	4.9	2.9	65
17.	6.7	1.1	. 4	.0	٥.	.0	.0	٥.	TRACE	1.0	2.3	6.2	66
22.4	6.6	1.2	.0	.0	٥.	.0	.0	. 2	6.1	1.2	TRACE	7.6	67
27.	15.6	TRACE	٥.	.0	.0	. 0	.0	.0	2.0	2.3	5.9	1.3	68
9.4	2.0*	1.0*	TRACE*	.0*	.0*	.0	.0	.0	TRACE	TRACE	5.1	1.3	69
9.9	.5*	TRACE*	.7•	.0*	.0•	.0*	.0*	TRACE*	7.8*	.5*	.4•	TRACE*	70
13.3	2.9*	.û *	1.0*	TRACE*	.0•	.0*	.0•	TRACE*	TRACE*	.9•	TRACE*	8.5*	71
10.3	5.6*	.0*	.0*	.0•	٠٥,	.0*	.0*	•0,	2.9*	TRACE*	.5*	1.6*	72
12.4	TRACE*	5.0*	TRACE*	.C*	.0*	.0*	.0◆	.0*	TRACE*	2.0*	TRACE*	5.4*	73
9.7	. 3*	TRACE*	TRACE*	.0*	.0*	. 0*	.0•	.0•	3.0*	.0*	1.7*	4.7*	74
16.1	6.4*	1.1*	TRACE*	.0*	.0*	٠٥٠	.0*	3.0	TRACE*	2.2*	.3*	3.1*	75

TOTAL MONTHLY SHOWFALL AMOUNTS IN 'NCHES FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004 LST TO UTC: +07 HONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANHLA
76	TRACE*	2.2*	2.2*	9*	.0*	.0*	• • • • • • • •	•••••		• • • • • • • •	• • • • • • •	• • • • • • • • • • • •	5.3
84 85	3.5*	TRACE*	2.3*	TRACE*	.0*	.0•	.0* .0*	.0* .0*	.0*	TRACE*	2.3*	4.7* TRACE*	4.7 ¹ 8.1 ¹
86 87 88 89 90	.3* 2.7* 8.3* 1.2* 2.0*	TRACE* .8* .5* TRACE* 1.6*	TRACE* TRACE* 1.5* .3* TRACE*	TRACE* .0* .0* .0*	TRACE* .0* .0*	.0* .0* .0*	.0* .0* .0*	*0. *0. *0. *0.	.0* .0* .0*	.0* .0* .0*	.1* 1.2* 2.2* TRACE*	TRACE* 1.2* 2.2* TRACE*	5.9° 14.7° 1.5° 3.6°
EAST	.0											TRACE	· · · · · · · · · · · · · · · · · · ·
	.0	.0	0	0	0	0 TRACE	.0					TRACE	4. { د د د د د د د د د د د د د د د د د د د
EAST	1				 .0 6.4 .5							1FACE 15.6 3.7	4.¦ ∠8.√
REATEST	10.0	11.8	15.6	7.8	6.4	TRACE	.С	.0	TRACE	1.0	8.2	15.6	د8. ا
REATEST	10.0 3.9	11.8	15.6 3.5	7.8 1.3	6.4	TRACE	.c .o	.0 .c	TRACE	1.0	8 .2 2.0	15.6	∠8.4 18.9

THE GREATEST MALUE OF 15.6 OCCURRED ON 03/52

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

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TRACE*

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EXTREME DAILY SNOWFALL AMOUNTS IN INCHES FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601,4912-7606,8407-9884 LST TO UTC: +07 MONTH: ALL MOURS: ALL YEAR JAN FEB HAR APR MAY JUN JUL AUG SEP OCT HOV DEC AMBURAL 2.3* 43 .0* .0 .0 .0 1.0 TRACE 2.3 4.3 44 1.5 2.6 .0 .0 .0 .0 .0 .0 45 .0 Ò. 2.2 4.2 TRACE .0 .0 .0 .0 2.8 TRACE* 4.2" .3 .. 46 .8 49 .0 .0 .0 .0 1.0 2.50 TRACE 1.6 50 2.5 1.5 2.5 3.2 1.9 51 3.2 2.6 1.4 TRACE TRACE .0 .0 .0 .0 .0 4.6 2.3 52 1.8 4.6 TRACE .0 .0 .0 .0 .0 .0 1.9 .2 1.6 2.3 TRACE .0 .0 .0 .0 TRACE TRACE 53 TRACE TRACE TRACE 0. 0. TRACE .0 .0 .0 TRACE .0 1.0 2.7 54 2.7 2.1 TRACE 1.0 .0 1.0 5.1 .0 .0 .0 1.4 55 2.9 5.1 .2 1.7 1.1 .0 .0 .3 1.5 4.1 56 3.0 TRACE 1.1 .0 .0 .0 4.1 2.6 4.8 57 .0 .0 .0 .0 .0 .0 .0 .4 .6 2.6 .0 .0 2.0 58 1.0 TRACE .0 .0 .0 .0 .0 TRACE TRACE 4.8 .4 Ō. .0 .0 .0 .0 TRACE .0 2.8 3.0 TRACE 59 .8 3.0 TRACE TRACE 2.0 2.3 TRACE .0 .0 .0 .0 .0

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OPERATING EGGATION 'A' EXTREME DATELY SHOWFALL AMOUNTS IN INCHES USAFETAC, ASHEVILLE NO.

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601, 4912-7606, 8407-9004 MONTH: ALL HOURS: ALL LST TO UTC: +07

		-		. • • • • • • • • • • • • • • • • • • •									
YEAR	Į JAN	FEB	HAR	APR	MAY	HUL	JUL	AUG	SEP	oct	YOM	DEC	ANNUAL
76	TRACE*	1.8*	1.9*	.6*	.0*	.0*			•••••		• • • • • • •		1.9*
84	1						.0*	.0*				3.6*	3.6*
85	2.5*	TRACE*	1.3*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	2.3*	TRACE*	2.5*
8 6	.3*	TRACE*	TRACE*	TRACE*	TRACE*	.0*	.0=	.0	.0*	.0*	.1*	TRACE*	.3*
87	2.5*	.5*	TRACE*	.0~				.0*	.0*	.0*	1.2*	.8•	2.5*
88	4.2*	.5*	1.54	.0*	.0*	.0•	.0*	.0*	.0*	.0*	2.2*	2.2*	4.2*
89	1.2*	TRACE*	. 3*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*	1.2*
90	1.0-	1.1*		,0•									1.1*

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GREATEST	5.7	5.1	4.8	4.0	3.7	TRACE	.0	с.	TRACE	1.0	6.0	4.4	6.0
TOTAL OBS	952	842	910	884	8 67	891	917	939	881	913	864	891	10751

THE GREATEST VALUE OF 6.0 OCCURRED ON 11/15/63

NOTE: "THE VALUE IS BASED ON A MEMITH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 3 - 3B

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES ROM SUMMARY OF DAY DATA

STATION NUMBER	690110		NAME: DO		OVING GI	ROUNDS UT	r	PERIOO): 4306-4 H: ALL	4601,491 HOURS:	2-7606, 8 4 All	07-9004
AMOUNTS (INCHES)	JAN 1	FEB	MAR	APR	HAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANN
NONE	55.9	75.3	89.1	98.3	99.8	100.0	100.0	100.0	100.0	99.7	92.4	69.2	89.9
TRACE	9.6	11.0	6.3	.7						.1	3.1	14.0	3.7
1	14.2	4.8	1.7	.6	.1					.2	1.8	7.3	2.6
2	8.4	4.2	1.3	.3	.1						1.2	4.8	1.7
3	l . 7.6	2.0	.7	.1							.8	1.9	1.1
4-6	4.2	2.6	.8								.6	2.5	.9
7-12	.2	.1	.2								.1	.3	.1
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
•••••	 	• • • • • • • •	•••••	•••••	••••				••••••	• • • • • • •	• • • • • • •	• • • • • • • • •	•••••••
DAYS WITH MEAS AMTS	34.6	13.7	4.6	1.0	.2	!				.2	4.5	16.8	6.4
TOTAL NO. OF OBSERVATIONS	952	842	909	881	866	891	917	938	882	913	867	892	10750

EXTREME DAILY SHOW DEPTH AMOUNTS IN INCHES FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD C

PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004

		L	ST TO UT	C: +07					MO	NTH: ALL	HOUR	S: ALL	
YEAR	Į JAN	FEB	HAR	APR	MAY	JÜN	JUL	AUG	SEP	OCT.	NOV	DEC	ANNUAL
43	.	• • • • • • •	· · · · · · · · · ·			0*	0	0		1	0		
44	4	6	9	1	0	ō	ō	ŭ	0	Ò	1	1	· •
45	1	3	4	o o	o	0	o	o	۵	C C	2	G ÷	4*
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49	1											1.	1*
50	j 3	TRACE				0	0	0	0	0	0	1	3*
51	1 4	2	5	٥	0	Ç	С	0	Ð	۵	1	3	4
52	j 2	TRACE	4	0	0	0	0	0	C	0	2	2	4
53	1	TRACE	TRACE	0	0	U	0	0	C	Ç	0	*	1
54	2 5	2	2	0	C	ą	0	0	0	C	0	1	2 9
55	5	9	9	TRACE	0	0	0	0	0	0	١	2	9
56	2	2	o	TRACE	0	С	٥	С	0	TRACE	0	2	2
57	3	2	0	0	0	0	0	0	0	0	4	1	4
58	1	TRACE	4	TRACE	0	0	0	0	0	Û	3	0	4
59	1	2	0	٥	0	0	0	٥	0	e	0	2	2
60	4	3	1	0	٥	0	0	0	C	Э	0	5	4
61	1 0	1	TRACE	0	0	0	0	0	0	G	3	2	3
62	3	2	1	Q	0	0	0	Ô	Û	0	0	•	3
63	3	0	3	1	G	Ĵ	0	С	0	0	1	4	4
64	1 2	0	2	1	0	0	0	0	C	0	ū	1	4 2 2
65	1	TRACE	TRACE	1	2	0	0	0	0	3	0	2	2
66] 3	2	1	0	0	٥	٥	û	0	0	G	2	3
67	3	Q	TRACE	0	0	0	0	C	0	0	0	7	7
68	j 1	3	1	1	0	0	0	0	ū	0	0	6	6
69	3	3	0	0	0	0	0	0*	0*	0*	1*	1=	3*
70	TRACE*	TRACE*	TRACE*	2*	C۳	0*	0*	0*	0*	0*	0*	9*	9*
71	1 6*	TRACE*	TRACE*	0*	0*	ე ≐	0*	0*	۰۵	1*	3*	2*	6*
72	j 1*	TRACE	ŋ•	0•	0*	0.	O*	0*	ō *	Ç*	0.	4*	4.*
73	4*	1*	2*	0*	0*	0*	0*	€.*	0*	0*	4*	TRACE*	4*
74	3*	1*	0*	3*	0*	0*	O.	0*	0*	C *	0*	TRACE*	3*
75	2*	TRACE*	1*	0*	1*	0*	0*	0*	0*	6≠	0*	2*	2*
	ĺ												

EXTREME DAILY SHOW DEPTH AMOUNTS IN INCHES FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004 LST TO UTC: +07 MONTH: ALL HOURS: ALL YEAR | JAH FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANNUAL 1* 2* TRACE* 0* 0* 0* 0* **0*** 85 4+ 3* 1* 0. 0* 0* 0* 7* 0. 0* 0e 0e 0* 0= 0* O* TRACE* TRACE* 87 3+ 0* 0* O* TRACE* 0* 0* 0* 0* 0* 0* O* TRACE* 88 8* 4* 2* 0* 0* 4. 4* 89 90 0. 5" TRACE" 0* C* TRACE* 0* 0* 1" TRACE"

										<i></i>			
GREATEST	8*	9*	◊ •	3*	2*	0*	0*	0*	0*	1*	7*	9*	9*
TOTAL OBS	952	842		 881			917		8 82	913		892	19750

THE GREATEST VALUE OF 9 OCCURRED ON 03/15/44

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

FIRST AND LAST DAYS OF OCCURRENCE BY SHOW-YEAR FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT

PERIOD OF RECORD: 4306-4601,4912-7606,6707-9004 SNOW-YEAR: 1 AUG - 31 JUL

						*	
SHOWY	EAR	FIRST SHOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SHOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
• • • • • •	• • • • • • • • • • • • • • • • • • • •				• • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	
43 -	44	OCT 19	OCT 19	OCT 19	APR 21	APR 20	AFR 16
44 .	45	NOV 24	NOV 24	NOV 24	APR 13	MAR 27	MAR 16
45 -	46	NOV 07		HOV 07	JAN 30	JAN 08	
49 -	50	DEC 09	DEC 09	DEC 10	JU∺ Ú7	FEB 11	JAN 17
50 -	51	NOV 14	NOV 14	DEC 31	MAY 12	MAR 31	MAR 31
51 -	52	HOV 12	NOV 20	NOV 23	APR 14	MAR 24	MAR 24
52	53	NOV 14	HOV 15	NOV 25	MAY 11	JAN 14	JAN 15
53 •	54	OCT 21	DEC 04	DEC 04	MAY 01	MAR 30	MAR 12
54 -	55	OCT 24	DEC 10	DEC 11	MAY 15	MAY 15	
55 -	56	HOV 14	NOV 14	NOV 17	APR 02	APR G1	FEB 26
56 -	57	OCT 24	OCT 24	DEC 06	JAN 29	JAN 27	FEB 03
57 •	58	NOV 02	NOV 02	NOV 03	APR 24	MAR 31	MAR 31
58 ·	59	OCT 20	HQV 14	NOV 15	APR 18	FCE 24	FEB 24
59 .	60	OCT 29	DEC 21	DEC 31	MAY 18	MA. 14	MAR 14
6C -	61	NOV 04	DEC 02	DEC 03	APR 24	MAR 27	FEB 18
61 -	62	OCT 09	OCT 28	NOV 17	APR 21	MAR 22	HAR 10
62 -	63	NOV 16	NOV 16	DEC 24	APR 27	APR 21	APR 21
63 -	64	NOV 15	HQV 15	NOV 16	MAY U7	MAY 05	APR 05
64 -	65	OCT 29	HOV 10	DEC 09	MAY 08	MAY C8	MAY DB
65 -	66	NOV 25	HOV 25	DEC 23	APR 18	MAR 01	MAR 02
66 -	67	OCT 13	OCT 13	DEC 06	MAY 01	MAY 01	JAN 29
67 •	68	HOV 30	NOV 30	DEC 15	APR 26	APR 21	APR 21
68 -	69	NOV 16	DEC 01	DEC 02	APR 24		FEB 22
69 -	70	OCT 03	NOV 17	NOV 17	MAY 01	APR 29	APR 29
70 ·	71	OCT 07	OCT 26	DEC 03	HAY 11	MAR 15	JAN 15
71 -	72	SEP 30	OCT 28	OCT 28	APR 20	APR 20	JAN 28
72 -	73	DEC 04	DEC 04	DEC 04	APR 19	MAR 13	MAR 13
73 ·	74	OCY 29	NOV 21	NOV 21	APR 10		APR 10
74 -	75	OCT 21	0EC 13	JAN 09	MAY 22	MAY 06	MAY 06
75 -	76	OCT 07	NOV 18	DEC 15	APR 27	APR 16	MAR 02

B - 5 - 1A

FIRST AND LAST DAYS OF OCCURRENCE BY SHOW-YEAR FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT

PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004 SKOH-YEAR: 1 AUG - 31 JUL

SNOW-YEA	.R	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SHOW DEPTH	LAST SNOWFALL	last Measurable Showfall	LAST MEASURABLE SNOW DEPTH	•. • •
85 - 86 - 87 - 88 -	85 86 87 88 88 89 90	DEC 12 OCT 09 NOV 06 NOV 25 NOV 14 NOV 27	DEC 12 NOV 12 HOV 06 NOV 25 NOV 14 JAN 16	DEC 12 NOV 12 JAN 05 DEC 23 DEC 22 JAN 03	APR 25 MAY 06 MAR 19 MAR 30 MAR 20 MAR 13	MAR 27 JAN 06 FEB 24 MAR 28 MAR 20 F19 07	MAR 25 FEB 06 FEB 24 MAR 28 FEB 23 FEB 20	
MEDIAN-DA	ATE.	NOV 05	NOV 16	DEC 04	APR 24	MAR 27	MAR 06	

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₽₽	PP	AA	AA	RR	R2	TT	CC	
PPPPP	PPPP	AA	AA	RRRR	RRRRR	ŤŤ	CC	
PPPPP	PPP	AACAA	AAAAA	RRRR	RRRR	11	CC	
PP		AAAAA	AAAAA	RR	RR	TT	CC	
PP		AA	AA	RR	RR	١٢	cc	CC
PP		AA	AA	RR	RR	77	0000	CCCC
PP		AA	AA	RR	RR	ŤĬ	CCC	CCC

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PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES APE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL MEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACHYEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY YALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORD FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLEYE MONTHS.

PEAK WINDS -- PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DRY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DRY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOTH CATEGORY. TABLES INCLUDE MEANS, MEDIANS, A D TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DRY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED. PERCENT OCCURRENCE FREQUENCY.
THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE
THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STAMBARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOUPS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS CONTINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (M.E.S.W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS). THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT * .514791 METERS PER SECOND

C - 1 - 2

1

PEAK SURFACE WINDS IN KNOTS FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: 4503-4512,5706-7606,8407-9004 LST TO UTC: +07 PERIOD OF RECORD: 4503-4512,5706-7606,8407-9004

			121 10 0	10: +07					,,,,	UNINI ALI	. HOUR	S: ALL	
YEAR] JAN	FEB	MAR	APR	HAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANN
45	· 	• • • • • • •		SE 55	NW 40	NE 43	W 54	NW 48	NNW 52	SW 45	NW 68	ssw*38	N₩ * 68
57						SW *42	s 52	WSW#43	s *31	s *39	NW #36	WNW*45	s * 52
58	N *35	s *35	s 53	s 50	SW 42	s 41	S 41	ENE 40	SE 40	HNW 54	Nw 36	NNW 35	NNW*54
59	U 37	SSE 44	NNV 50							NNE 40		NNW 35	NW 62
60	SSE 33	WNW 45	HW 39	s 55		w 42					SEE 37		\$ 55
61	NHW 26	N₩ 45	N 43	SH 49	s 50	SSE 50	SSE 38	S₩ 51	SSE 46	s 51	NW 44	s 41	s⊯ 51
62	s 38	\$ 39	W 59	s *42	S 52	W 38	₩ 32	s 3 7	NW 27	s 37	N 23	NHE 24	₩ * 59
63	WNW 25	WSW 33	s 36	\$ 37	SSE 30	SS₩ 30	3 30	s 43	SS₩ 26	ss₩ 35	S 27	NW 16	s 43
64	S 46	NNW 35	SSW 28	NNW 40	3 32	HNW 38	WSW 29	s 34	NNW 32	₩ 35	S₩ 30	4 43	S 46
65	s 43	₩ 33	s 26	NNU 42	SSW 36	\$ 29	WSW 37	s 35	Su 32	NNE 27	S 24	s 21	\$ 43
66	N 20	NW 27	NW 41	LANU 42	s 40	WSW 52	WNW 47	SSE 39	₩ 52	N *36	SE 33	SE 38	WSW*52
67	SSE 35	U 43	NW 58	s 81	NNW 30	NNE 58	S 59	₩ 46	SW 45	s 47	SW 44	S₩ 45	S 81
68	SW 50	NNL 38	N 45	SSW 42	WHW 62	NW 45	14/ 45	30/ 51	16/ 44	16/ 39	27/ 44	34/ 45	FHH 65
69	18/64	20/50	34/ 54	17/ 52	02/52	G3/ 43	24/ 43	19/*44	21/*45	19/*31	16/#31	34/*28	18/*64
70	32/+35	30/*29	01/=40	18/*49	15/*33	17/*38	28/*34	29/*34	19/*39	33/*34	19/*40	18/*35	18/*49
71	1 29/*40	35/=34	32/*36	02/*31	29/*33	27/*30	17/*27	28/*33	04/*36	19/*28	24/*29	33/*33	29/*40
72	29/*30	29/*34	31/*36	24/*40	28/*35	19/*39	30/*31	26/*39	18/*40	36/*31	31/*37	31/*27	24/*40
73										33/*43			32/*54
74	17/*23	35/*39	18/*37	31/*41	22/*35	33/*40	33/*39	03/*30	36/*32	24/*23	24/*31	28/*30	31/*41
75	34/*29	18/*29	31/*32	32/*35	01/*33	18/=41	30/*35	17/*34	03/*32	33/*34	34/*34	29/*29	18/*41
76	32/*25	31/*39	21/*37	30/*38	30/*37	33/*36	,						31/*39
84	i						27/*24	27/*21				32/*23	27/*24
85	32/*27	32/*31	30/#42	32/*31	32/*34	32/*33	32/*33	23/*26	14/*31	27/*43	27/*20	33/*19	30/*42
86	1 27/*23	27/*25	27/*28	33/*31	33/*46	33/*30	18/*29	27/*31	27/*32	05/*20	36/*27	36/*11	33/*46
87	36/*38		36/*43							27/*21			18/*51
88	29/*44	36/*31	36/*45	32/*50	24/*47	21/*42	27/*50	27/*53	32/*38	18/#28	18/*46	18/*34	27/*53
89	27/*32									18/*35			18/ *56
90			32/*39										36/*45

C - 2 - 1A

PEAK SURFACE WINDS IN KNOTS FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: 4503-4512,5706-7606,8407-9004 LST TO UTC: +07 PERIOD OF RECORD: 4503-4512,5706-7606,8407-9004

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EAR		JAH		FEB		HAR		APR	MAY		UN	JUL		NUG		Р			NOV		DEC	• • • • •	AN
	• • • •	• • • •	• • • •	• • • •		• • • •	• • • •	• • • •	• • • • • • • •	• • • • • •	• • • • •	• • • • •	• · · · ·	• • • •	• • • • •	• • • • •	• • • • •	• • • •	• • • •			• • • • •	• • • •
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EATEST	18/	04	20/	50	₩	28	5	51	WWW 62	NNE)6 N	₩ 62	18/	56	NNW S	2 NN	W 54	NW	68	CHU	45	\$	ξ
AL OSS		 592	• • • •	 544		653	• • • •	634	614	• • • • • •	• • • • • •	631	•••••	 546	• • • • •	 71	608		568	• • • • •	 553		726

THE PEAK WIND OF 81 FROM S OCCURRED ON 04/05/67

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH STHE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

C - 2 - 18

PERCENTAGE FREQUENCY O OCCURRENCE OF DAILY PEAK WINDS FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGNAY PROVING GROUNDS UT LST TO UTC: +07

PERIOD OF RECORD: 4503-4512,5706-7606,8407-9004 MONTH: ALL HOURS: ALL

				J. C.						non in		nook \$. ALL	
	CALM-4	5-9	10-14	15-19	WIND 20-24	SPEEDS 25-29	IN KHO 30-34	TS 35-39	40-49	50-64	GE 65			TOTAL
ļ	6.8	33.6	19.6	14.0	11.1	6.3	3.5	2.9	1.7	.5	.0	14.5	11.0	592
<u> </u>	1.8	24.6	20.6	19.3	15.3	9.0	5.5	2.2	1.5	.2	.с	16.7	16.0	544
<u> </u>	. 3	10.6	18.1	19.9	23.0	12.3	7.8	4.1	3.2	.8	.0	20.4	20.0	653
1	.0	5.4	15.6	20.3	21.6	15.1	11.0	5.7	3.8	1.1	.3	22.6	22.0	634
ι'.	.0	2.8	13.7	25.7	23.1	13.5	10.3	6.0	4.1	.8	٥.	22.6	21.0	614
ı'.	٥.	2.4	12.1	25.6	21.3	14.8	12.6	5.9	4.6	.6	.5	23.0	21.0	628
ł,	.3	3.3	11.4	22.7	23.6	16.2	12.5	5.1	3.8	1.1	.0	23.2	22.0	631
I,	.0	5.7	15.3	23.8	18.6	13.8	10.8	6.5	4.5	٠,9	.с	22.4	21.0	646
l,	.2	9.8	22.2	23.2	19.3	11.8	7.1	2.7	3.0	.7	.0	19.6	18.0	591
I,	.8	24.0	23.2	20.6	13.0	9.0	4.9	2.5	1.6	. 3	.ŭ	16.6	15.0	608
1	3.0	29.8	22.2	15.8	12.7	9.7	3.2	1.6	1.8	. 2	.2	15.4	13.0	568
 	10.3	35.4	16.5	12.5	11.4	6.7	4.3	2.0	.9	.0	.0	13.6	10.0	553
	1.8	15.1	17.4	20.4	18.0	11.6	7.9	4.0	2.9	.6	.0	19.4	18.0	7262
		1 1.8 1 .3 1 .0 1 .0 1 .0 1 .0 1 .0 1 .2 1 .8 1 .8 1 3.0 1 10.3	6.8 33.6 1.8 24.6 1.8 24.6 1.0 5.4 1.0 2.8 1.0 2.4 1.3 3.3 1.0 5.7 1.2 9.8 1.2 9.8 1.3 3.0 29.8 1.3 35.4	6.8 33.6 19.6 1.8 24.6 20.6 1.8 10.6 18.1 1.0 5.4 15.6 1.0 2.8 13.7 1.0 2.4 12.1 1.3 3.3 11.4 1.0 5.7 15.3 1.2 9.8 22.2 1.8 24.0 23.2 1.8 24.0 23.2 1.8 24.0 23.2	6.8 33.6 19.6 14.0 1.8 24.6 20.6 19.3 1.3 10.6 18.1 19.9 1.0 5.4 15.6 20.3 1.0 2.8 13.7 25.7 1.0 2.4 12.1 25.6 1.3 3.3 11.4 22.7 1.0 5.7 15.3 23.8 1.2 9.8 22.2 23.2 1.8 24.0 23.2 20.6 1.3 3.0 29.8 22.2 15.8 1.0 35.4 16.5 12.5	CALM-4 5-9 10-14 15-19 20-24 6.8 33.6 19.6 14.0 11.1 1.8 24.6 20.6 19.3 15.3 3 10.6 18.1 19.9 23.0 0 5.4 15.6 20.3 21.6 0 2.8 13.7 25.7 23.1 0 2.4 12.1 25.6 21.3 1 .3 3.3 11.4 22.7 23.6 1 .0 5.7 15.3 23.8 18.6 1 .2 9.8 22.2 23.2 19.3 1 .8 24.0 23.2 20.6 13.0 3.0 29.8 22.2 15.8 12.7 10.3 35.4 16.5 12.5 11.4	CALM-4 5-9 10-14 15-19 20-24 25-29 6.8 33.6 19.6 14.0 11.1 6.3 1 1.8 24.6 20.6 19.3 15.3 9.0 3 10.6 18.1 19.9 23.0 12.3 0 5.4 15.6 20.3 21.6 15.1 0 2.8 13.7 25.7 23.1 13.5 1 .0 2.4 12.1 25.6 21.3 14.8 1 .3 3.3 11.4 22.7 23.6 16.2 1 .0 5.7 15.3 23.8 18.6 13.8 1 .2 9.8 22.2 23.2 19.3 11.8 1 .8 24.0 23.2 20.6 13.0 9.0 1 3.0 29.8 22.2 15.8 12.7 9.7 1 10.3 35.4 16.5 12.5 11.4 6.7	CALM-4 5-9 10-14 15-19 20-24 25-29 30-34 6.8 33.6 19.6 14.0 11.1 6.3 3.5 1 1.8 24.6 20.6 19.3 15.3 9.0 5.5 3 10.6 18.1 19.9 23.0 12.3 7.8 0 5.4 15.6 20.3 21.6 15.1 11.0 0 2.8 13.7 25.7 23.1 13.5 10.3 0 2.4 12.1 25.6 21.3 14.8 12.6 1.3 3.3 11.4 22.7 23.6 16.2 12.5 0 5.7 15.3 23.8 18.6 13.8 10.8 1 .2 9.8 22.2 23.2 19.3 11.8 7.1 1 .8 24.0 23.2 20.6 13.0 9.0 4.9 3.0 29.8 22.2 15.8 12.7 9.7 3.2 1 10.3 35.4 16.5 12.5 11.4 6.7 4.3	6.8 33.6 19.6 14.0 11.1 6.3 3.5 2.9 1.8 24.6 20.6 19.3 15.3 9.0 5.5 2.2 3 10.6 18.1 19.9 23.0 12.3 7.8 4.1 .0 5.4 15.6 20.3 21.6 15.1 11.0 5.7 .0 2.8 13.7 25.7 23.1 13.5 10.3 6.0 .0 2.4 12.1 25.6 21.3 14.8 12.6 5.9 .3 3.3 11.4 22.7 23.6 16.2 12.5 5.1 .0 5.7 15.3 23.8 18.6 13.8 10.8 6.5 .2 9.8 22.2 23.2 19.3 11.8 7.1 2.7 .8 24.0 23.2 20.6 13.0 9.0 4.9 2.5 3.0 29.8 22.2 15.8 12.7 9.7 3.2 1.6 10.3 35.4 16.5 12.5 11.4 6.7 4.3 2.0	CALM-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 6.8 33.6 19.6 14.0 11.1 6.3 3.5 2.9 1.7 1 1.8 24.6 20.6 19.3 15.3 9.0 5.5 2.2 1.5 .3 10.6 18.1 19.9 23.0 12.3 7.8 4.1 3.2 .0 5.4 15.6 20.3 21.6 15.1 11.0 5.7 3.8 .0 2.8 13.7 25.7 23.1 13.5 10.3 6.0 4.1 .0 2.4 12.1 25.6 21.3 14.8 12.6 5.9 4.6 .3 3.3 11.4 22.7 23.6 16.2 12.5 5.1 3.8 .0 5.7 15.3 23.8 18.6 13.8 10.8 6.5 4.5 .2 9.8 22.2 23.2 19.3 11.8 7.1 2.7 3.0 .8 24.0 23.2 20.6 13.0 9.0 4.9 2.5 1.6 3.0 29.8 22.2 15.8 12.7 9.7 3.2 1.6 1.8 10.3 35.4 16.5 12.5 11.4 6.7 4.3 2.0 .9	CALM-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 6.8 33.6 19.6 14.0 11.1 6.3 3.5 2.9 1.7 .5 1.8 24.6 20.6 19.3 15.3 9.0 5.5 2.2 1.5 .2 .3 10.6 18.1 19.9 23.0 12.3 7.8 4.1 3.2 .8 .0 5.4 15.6 20.3 21.6 15.1 11.0 5.7 3.8 1.1 .0 2.8 13.7 25.7 23.1 13.5 10.3 6.0 4.1 .8 .0 2.4 12.1 25.6 21.3 14.8 12.6 5.9 4.6 .6 .3 3.3 11.4 22.7 23.6 16.2 12.5 5.1 3.8 1.1 .0 5.7 15.3 23.8 18.6 13.8 10.8 6.5 4.5 .9 .2 9.8 22.2 25.2 19.3 11.8 7.1 2.7 3.0 .7 .8 24.0 23.2 20.6 13.0 9.0 4.9 2.5 1.6 .3 3.0 29.8 22.2 15.8 12.7 9.7 3.2 1.6 1.8 .2 10.3 35.4 16.5 12.5 11.4 6.7 4.3 2.0 .9 .0	CALM-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 6.8 33.6 19.6 14.0 11.1 6.3 3.5 2.9 1.7 .5 .0 1.8 24.6 20.6 19.3 15.3 9.0 5.5 2.2 1.5 .2 .0 .3 10.6 18.1 19.9 23.0 12.3 7.8 4.1 3.2 .8 .0 .0 5.4 15.6 20.3 21.6 15.1 11.0 5.7 3.8 1.1 .3 .0 2.8 13.7 25.7 23.1 13.5 10.3 6.0 4.1 .8 .0 .0 2.4 12.1 25.6 21.3 14.8 12.6 5.9 4.6 .6 .0 .3 3.3 11.4 22.7 23.6 16.2 12.5 5.1 3.8 1.1 .0 .0 5.7 15.3 23.8 18.6 13.8 10.8 6.5 <t< td=""><td> CALM-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 WIND </td><td> CALM-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 WIND WIND </td></t<>	CALM-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 WIND	CALM-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 WIND WIND

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JAN HOURS: 00-02

			1. 10 0	Ç, ¥ /					FF-VFI : N	: JAH	MUUK	S: 00-0	2	
DIRECTION (DEGREES)	1-4	5-9	10 - 14	15-19		25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIA WIND
(N) 350-010	j .8	.6	.5	.5		• • • • • •		•••••	• • • • • • •	• • • • • • •	•••••	2.3	8.5	c
020-040		.3	.5									.8	11.0	11.0
050-070	4.5	. 5										4.9	2.7	2.0
(E) 0 8 0 · 100	10.0	.6										10.6	2.5	2.0
110-130	10.3	1.4	.2									11.8	2.8	2.0
140 - 160	14.4	1.7	.2	.2								16.4	2.9	2.0
s) 170-190	4.6	2.9	2.9	1.2	. 5							12.1	7,9	6.0
200-220	.6	.3	.3									1.2	5.5	4.5
230-250	1.4											1.4	2.1	2.0
w) 260-280	1.7	.5										2.2	2.9	2.0
290-310	1.1	.5										1.5	3.8	3.5
320-340	2.0	.6	.5	. 2								3.2	5.6	4.0
VARIABLE	· · · · · · · · · · · · · · · · · · ·			• • • • • • • • • • • • • • • • • • • •		•••••		· • • • • • • •			• • • • • • •		• • • • • • •	.
CALH	1///////	111111	11/1///	7/////	1111111	777777	///////	11/1///	///////	1/1////	1111111	31.5	//////	171111
TOTALS	51,4	9.9	5.1	2.1	.5							100.0	2.9	3.0
			70	TAL HUH	BER OF	OBSERVA	TIONS	651						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 690110		ATION N		IGNAY PR	OVING	ROUNDS			: JAN		MAY 60 S: 03-0	- APR 9	•
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29			40-49		GE 65	TOTAL	PEAN VIND	MEDIAN VIND
(N) 350-010	1.1	.4	•••••	•••••	******	•••••	*****	• • • • • • •	• • • • • • •	•••••	••••••	1.5	3.5	3.0
020-040	.5	.1	.4									1.1	6.4	4.0
050-070	2.3											2.3	2.3	2.0
(E) 080-100	7.2	.4		.1								7.8	2.7	2.0
110-130	9.8	1.4	.3	.1								11.6	3.1	2.0
140-160	12.7	2.6	.4									15.7	3.2	3.0
(S) 170-190	4.8	3.3	3.4	1.0	.4							12.8	7.7	6.5
200-220	1.4	.3	.8	.1	.1	.1						2.9	8.0	5.0
230-250	2.0	.3	.1									2.5	3.0	2.0
(W) 260-280	1.5		.1									1.6	3.2	2.0
290-310	1.8	.8	.1									2.7	4.0	2.5
320-340	2.2	.5	.3			.1						3.1	5.4	3.0
VARIABLE	: 	• • • • •	•••••	• • • • • • •	******	•••••	• • • • • •	• • • • • •	• • • • • •	•••••	•••••	•••••	•••••	•••••
CALH	,,,,,,,,,	/////	//////	//////	,,,,,,,	///////	//////	///////	,,,,,,,	//////	,,,,,,,	34.5	/////	,,,,,,
TOTALS	47.3	10.1	5.9	1.3	.5	.2						100.0	2.9	3.0

TOTAL NUMBER OF OBSERVATIONS 734

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST

r to utc: + 7	MONTH: JAN	HOURS: 06-06

1-4	5-9	10-14	15-19				35-39	40-49	50-64	GE 65	TOTAL	MEAN	MED I AN
1.8	.8	.3	•••••	•••••	.1	•••••	•••••	••••••	•••••	•••••	3.1	5.3	3.0
1.3	.1	.1	.1								1.6	4.4	3.0
2.9	.1										3.1	2.5	2.0
9.8	1.5										11.2	2.8	3.0
12.3	1.6	.4	.1								14.4	3.2	3.0
11.6	2.7	1.2	.1								15.6	3.9	3.0
5.9	2.2	2.0	1.8	.2	.1						12.2	7.3	5.0
2.1	.4	.6	.6	.6	.1						4.3	8.7	5.0
1.7	.5	.1									2.4	3.6	3.0
2.9	.6	.3									3.8	3.6	3.0
2.0	.5	.1									2.6	3.6	3.0
2.2	.9	.4	.1	.1							3.7	5.0	4.0
	•••••	•••••	•••••	• • • • • •	•••••	•••••	•••••	•••••	•••••	•••••	•••••		•••••
///////	/////	//////	//////	//////	//////	//////	,,,,,,,	//////	//////	/////	/ 22.1	//////	//////
56.5	11.9	5.5	2.8	.9	.3						100.0	3.5	3.0
	1.8 1.3 2.9 9.8 12.3 11.6 5.9 2.1 1.7 2.9 2.0 2.2	1.8 .8 1.3 .1 2.9 .1 9.8 1.5 12.3 1.6 11.6 2.7 5.9 2.2 2.1 .4 1.7 .5 2.9 .6 2.0 .5 2.2 .9	1.8 .8 .3 1.3 .1 .1 2.9 .1 9.8 1.5 12.3 1.6 .4 11.6 2.7 1.2 5.9 2.2 2.0 2.1 .4 .6 1.7 .5 .1 2.9 .6 .3 2.0 .5 .1 2.2 .9 .4	1.8	1.8	1.8 .8 .3 .1 1.3 .1 .1 .1 2.9 .1 9.8 1.5 12.3 1.6 .4 .1 11.6 2.7 1.2 .1 5.9 2.2 2.0 1.8 .2 .1 2.1 .4 .6 .6 .6 .1 1.7 .5 .1 2.9 .6 .3 2.0 .5 .1 2.2 .9 .4 .1 .1	1.8 .8 .3 .1 1.3 .1 .1 .1 2.9 .1 9.8 1.5 12.3 1.6 .4 .1 11.6 2.7 1.2 .1 5.9 2.2 2.0 1.8 .2 .1 2.1 .4 .6 .6 .6 .6 .1 1.7 .5 .1 2.9 .6 .3 2.0 .5 .1 2.2 .9 .4 .1 .1	1.4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 1.8 .8 .3 .1 1.3 .1 .1 .1 2.9 .1 9.8 1.5 12.3 1.6 .4 .1 11.6 2.7 1.2 .1 5.9 2.2 2.0 1.8 .2 .1 2.1 .4 .6 .6 .6 .1 1.7 .5 .1 2.9 .6 .3 2.0 .5 .1 2.2 .9 .4 .1 .1	1.8 .8 .3 .1 1.3 .1 .1 .1 2.9 .1 9.8 1.5 12.3 1.6 .4 .1 11.6 2.7 1.2 .1 5.9 2.2 2.0 1.8 .2 .1 2.1 .4 .6 .6 .6 .1 1.7 .5 .1 2.9 .6 .3 2.0 .5 .1 2.2 .9 .4 .1 .1	1.4 5.9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 1.8 .8 .3 .1 1.3 .1 .1 .1 2.9 .1 9.8 1.5 12.3 1.6 .4 .1 11.6 2.7 1.2 .1 5.9 2.2 2.0 1.8 .2 .1 2.1 .4 .6 .6 .6 .1 1.7 .5 .1 2.9 .6 .3 2.0 .5 .1 2.2 .9 .4 .1 .1	1.4 5.9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 1.8 .8 .3 .1 1.3 .1 .1 .1 2.9 .1 9.8 1.5 12.3 1.6 .4 .1 11.6 2.7 1.2 .1 5.9 2.2 2.0 1.8 .2 .1 2.1 .4 .6 .6 .6 .6 .1 1.7 .5 .1 2.9 .6 .3 2.0 .5 .1 2.2 .9 .4 .1 .1	1.4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL X 1.8 .8 .3 .1 .1 .1 .1 .1 .6 2.9 .1 .3.1 9.8 1.5 .11.2 12.3 1.6 .4 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL PREAM X WIRD 1.8 .8 .3 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1

TOTALS

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: JAN HOURS: 09-11 •••••••••••••• WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION TOTAL NEAR NEDIAN (DEGREES) VID VID z (N) 350-010 1.7 .7 .2 .1 2.8 4.9 3.0 020-040 .7 .3 .1 3.0 1.1 3.6 050-070 1.7 .3 2.0 3.0 3.0 (E) 080-100 4.8 .6 .1 5.4 3.0 2.5 110-130 9.4 2.1 .2 11.8 3.4 3.0 .1 14.1 4.2 3.0 140-160 9.9 3.0 1.2 .1 13.3 7.1 (S) 170-190 5.6 3.5 2.9 1.0 .1 .1 6.0 200-220 .4 .9 .3 5.9 8.1 4.0 3.3 1.0 .1 3.5 3.4 3.0 230-250 3.1 .3 .1 3.6 5.5 3.0 (W) 260-280 4.0 .7 .2 5.2 3.3 3.0 290-310 .1 4.1 3.0 5.6 5.2 320-340 3.7 .8 .1 VARIABLE CALM 100.0 3.6 3.0 52.0 13.9 6.9 . 2.6 .3 .5

TOTAL NUMBER OF OBSERVATIONS 1471

C-4- 4

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: JAN HOURS: 12-14 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN DIRECTION WIND MIND X (DEGREES) 5.5 4.3 4.0 (N) 350-010 2.3 1.1 .8 .1 2.1 5.1 3.0 020-040 .3 1.3 .4 1.6 2.3 2.0 050-070 1.4 .1 2.8 3.3 3.0 (E) 080-100 2.9 .4 5.0 4.3 3.0 110-130 3.4 1.0 .4 .1 9.1 5.8 4.0 4.7 1.7 .1 2.6 140-160 16.2 8.0 8.0 (S) 170-190 4.7 5.7 4.4 .8 .1 10.0 7.0 6.0 .5 .1 .2 2.4 1.0 .8 1.0 200-220 4.7 3.3 3.0 230-250 3.8 .8 .1 9.2 4.7 4.0 .5 .3 2.7 (W) 260-280 5.6 12.9 4.5 3.5 8.7 2.9 1.0 .2 .1 290-310 9.9 4.9 3.0 .5 320-340 6.2 2.2 1.0 VARIABLE CALM

.2

TOTAL NUMBER OF OBSERVATIONS 1458

47.4 20.8 11.0

TOTALS

3.2

.2

c - 4 - 5

100.0

4.8

4.0

CALM

TOTALS

45.1 22.3

9.6

3.1

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGNAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: JAN HOURS: 15-17 WIND SPEED IN KNOTS DIRECTION 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MAN MEDIAN (DEGREES) X WIND WIND (N) 350-010 1.9 .9 .3 .1 5.0 4.3 6.6 020-040 1.2 .5 .3 .8 7.4 7.0 2.8 050-070 1.3 .3 3.3 1.5 3.0 (E) 080-100 1.6 .3 2.9 1.9 2.0 110-130 .5 3.4 .1 3.3 3.0 140-160 5.4 3.0 1.2 , .1 5.2 9.6 4.0 (S) 170-190 3.0 5.5 3.7 .9 .2 13.3 8.0 8.0 200-220 2.6 1.0 .9 .6 .3 .2 .1 5.7 8.6 5.0 230-250 .4 2.4 .2 .1 .1 3.1 4.3 3.0 (W) 260-280 5.9 2.7 .3 .1 .2 .1 9.3 4.6 3.0 .7 290-310 8.4 3.8 .3 .1 13.3 4.7 4.0 320-340 8.0 .9 .3 5.0 4.0 VARIABLE

TOTAL NUMBER OF OBSERVATIONS 1177

.2

1.4

/////////// 18.5 ////////

.1

100.0

4.6

4.0

.1

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

CP 4AP : 03 YAM : GROUPS TO GOODS TO GO

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50 - 64	GE 65	TOTAL	MEAN MIND	MEDIAN WIND
350-010	2.2	.9	1.2	.7		•••••		• • • • • • •		• • • • • • • •		5.0	7.0	5.0
020-040	1.5	.7	.1	.1								2.4	4.9	4.0
050-070	2.4	.5										3.0	3.1	3.0
c) 080-100	5.4	.7										ć.0	2.6	2.0
110-130	5.9	.7										6.6	2.5	2.0
140-160	8.9	2.4	1,3	.1								12.8	4.4	3.0
i) 170-190	6.6	3.5	.9	.7								11.7	5.5	4.0
200-220	1.9	.7	1.1	.4	. 1							4.2	7.4	7.0
230-250	.8	. 3	.7									1.7	6.5	5.0
260-280	3.4	.4	.1									3.9	2.8	2.0
290- 3 10	2.2	.4	.1	.1								2.8	3.8	2.0
320-340	3.4	1.6	.9	.3	.1							6.3	5.6	4.0
VARIABLE		• • • • • •				• • • • • • •	• • • • • •	• • • • • • •		• • • • • • •				• • • • •
CALH	11111111.	//////	1111111	7777777	1111111	1/1////	11/1//	1111111	11:1111	///////	11:111	33.6	11/1//	777777
TOTALS	44.6	12.8	6.4	2.4	۶.							100.0	3.1	3.0

TOTAL NUMBER OF UBSERVATIONS 744

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGHAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JAN HOURS: 21-23

		rs	וט טו	C: + 7					MONTH	: JAN	HOUR	8: 21-2	3	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	WIND 8 20-24	SPEED IN 25-29	KNOTS 30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN UIND
(N) 350-010	.5	.8	.9	.6	•••••	• • • • • • • •	•••••	•••••	••••••	•••••	•••••	2.8	10.1	11.0
020-040	1.2	1.5	.9	.2	.2							4.0	7.2	6.0
050-070	4.5	.2										4.6	2.4	2.0
(E) 080-100	7.2	.3										7.5	2.3	2.0
110-130	9'.5	.5										10.0	2.3	2.0
140-160	15.1	1.8	1.5									18.4	3.5	3.0
(S) 170-190	6.0	2.6	2.0	1.1	.2							11.8	6.5	4.0
200-220	1.4	.3	.6									2.3	5.9	3.0
230-250	1.4											1.4	2.0	2.0
(W) 260-280	1.8	.8	.2	.2								2.9	4.3	3.0
290-310	1.2	.2										1.4	2.3	2.0
320-340	2.2	.6	1.1	.2								4.0	6.4	4.0
VARIABLE	: 	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	••••••	•••••	•••••	•••••
CALM	,,,,,,,	//////	//////	,,,,,,	,,,,,,	,,,,,,,,,	/////	,,,,,,	,,,,,,,	//////	//////	28.9	/////	/////
TOTALS	52.0	9.6	7.2	2.3	.4							100.0	3.1	3.0

TOTAL NUMBER OF OBSERVATIONS 651

c - 4 - 8

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90

			LS	IT TO UI	rc: + 7					HONT	i: JAN	HOUR	S: ALL		•
•••	DIRECTION	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
•••	(DEGREES)	1	•••••	******	• • • • • • •	•••••	• • • • • • •	•••••	• • • • • • •	•••••	•••••	• • • • • • •	*	CKIW	WIND
(N)	350-010	1.7	.9	.6	.2	.0	.0	•••••	• • • • • • •	••••••	•••••	******	3.4	6.1	5.0
	020-040	1.0	.4	.4	.1	.0							1.9	5.9	4.0
	050-070	2.4	.2										2.6	2.7	2.0
(E)	080-100	5.7	.6	.0	.0								6.4	2.7	2.0
	110-130	7.8	1.2	.2	.1								9.3	3.2	3.0
	140-160	9.5	2.6	1.2	.1	.0							13.4	4.2	3.0
(\$)	170-190	5.1	3.8	2.9	1.1	.3	.1						13.2	7.4	7.0
	200-220	2.2	.6	.8	.6	.3	.1	.0		.0			4.6	8.5	5.0
	230-250	2.3	.4	.1	.0	.0							2.9	3.6	3.0
(W)	260-280	3.7	1.3	.3	.1	.0		.0					5.4	4.1	3.0
	290-310	4.3	1.4	.3	.1	.0							6.2	4.2	3.0
	320-340	4.1	1.4	.7	.3	.1	.0						6.6	5.2	4.0
;	/ARIABLE		•••••	• • • • • • •	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	• • • • • •	•••••
	CALM	1111111	//////	//////	//////	//////	//////	//////	,,,,,,,	//////	///////	//////	24.1	/////	//////
1	OTALS	49.8	14.8	7.5	2.7	.7	.2						100.0	3.7	3.0

TOTAL NUMBER OF OBSERVATIONS 8320

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AMO/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	1-4	5-9	10-14	15-19	WIND SPEED 20-24 25-29		35-39	40.49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)					• • • • • • • • • • • • • • • • • • • •					• • • • • •	*	WIND	WIND
(N) 350-010	2.1	1.8	.3	• • • • • •			• • • • • • • •	• • • • • •		• • • • • •	4.2	4.5	4.5
020-040	1.6	.5	.3								2.4	4.1	3.0
050-070	2.9										2.9	2.3	2.0
(E) 080-100	3.7	. 3									3.9	2.1	2.0
110-130	5.8	.3									6.0	2.3	2.0
140-160	6.0	. 5	1.0								7.6	3.8	2.0
(\$) 170-190	6.3	1.0	.5								7.9	3.5	2.0
200-220	2.1	.3	.3	.5							3.1	5.7	2.5
230-250	5.2	. 3									5.5	2.3	2.0
(H) 260-280	9.7	1.0	1.0	.5							12.3	3.8	2.0
290-310	9.4	2.4		.3							12.0	3.7	3.0
320-340	6.8	1.6	.8	.3	.5						9.9	4.9	3.0
VARIABLE	: 	• • • • • •		• • • • • •	•••••	· · · · · · · ·		• • • • • •			• • • • • • •		
CALM	11111111	///////	(111111)	111111	1111111111111	/////////	///////	//////	///////	(111111)	22.3	/////	1111111
TOTALS	61.6	10.0	4.2	1.6	.5						100.0	2.9	2.0

TOTAL NUMBER OF OBSERVATIONS 382 <u>.....</u>

c - 4 - 10

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER:	690110		ATION N	AME: DU	GWAY PR	OVING G	ROUNDS	UT	PER IO			MAY 60 S: 00-02		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	.7	1.0		.3	• • • • • •	•••••	• • • • • •	•••••	•••••	••••••	•••••	2.7	8.1	7.0
020-040	.5	.2										.7	3.8	3.0
050-070	2.7	.3	.2									3.2	3.3	3.0
(E) 080-100	8.8	.5										9.3	2.5	2.0
110-130	10.0	1.7	.2									11.8	2.8	2.0
140-160	12.9	3.7	.8	.2								17.6	3.7	3.0
(\$) 170-190	5.6	2.4	2.0	.7		.2						10.8	6.0	3.5
200-220	1.0	.2	.2									1.4	4.5	3.5
230-250	.8		٠.2									1.0	4.0	3.0
(W) 260-280	1.0	.7	.2									1.9	4.9	4.0
290-310	2.4	.5	.2									3.0	3.8	3.0
320-340	1.0	2.5	1.4	.2								5.1	7.6	7.5
VARIABLE				•••••	•••••	•••••	•••••	• • • • • •	• • • • • •	•••••		•••••	•••••	•••••
CALH	////////	//////	///////	,,,,,,,	//////	,,,,,,,	111111	///////	///////	//////	,,,,,,,	31.5	/////	//////
TOTALS	47.4	13.7	6.1	1.4		.2						100.0	2.9	3.0
			TC	TAL NUM	BER OF	OBSERVA	TIONS	591						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: FEB HOURS: 03-05

		LS	דט סד דו	C: + /					MQN T	1: FEB	HOUR	S: 03-0)	
DIRECTION (DEGREES)	1-4	5.9	10-14	15-19	WIND SF 20-24		1 KNOTS 2 30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN DHIW	MEDIAN WIND
(N) 350-010	1.8	.9	.2					• • • • • • •		• • • • • • •		2.9	4.4	4.0
020-040	1.7	.5	.3									2.5	4.6	3.5
050-070	4.3	۵.										4.9	2.4	2.0
(E) 080·100	8.0	٠,										8.9	2.8	2.0
110-130	11.0	2.0										13.0	2.6	2.0
140-160	11.8	2.6	1.8									16.3	4.0	3.0
(S) 170-190	2.8	2.3	1.4	.6								7.1	7.0	6.5
200-220	1.8	.5	.5	۶.	. 2							3.1	5.9	3.0
230-250	1.1		.2									1.2	3.3	2.0
(W) 260-280	1.4	.8	.3									2.5	4.6	3.5
290-310	.8	. 5										1.2	4.0	3.5
320-340	2,1	2.5	.8									5.4	6.0	6.0
VARIABLE		• • • • • •				• • • • •	.			• • • • • •		• • • • • • •		
CALM	1111111	//////	(1/////	(1/1/1/	//////	//////	////////	///////	11/1///	///////	///////	31.1	/////	///////
TOTALS	 48.6	14.1	5.5	.8	.2							100.0	2.8	3.0
			TO	OTAL NU	MBER OF	OBSER	VATIONS	652						

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PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

		LS	וט סד זו	C: + 7					MONTH	: FEB	HOUR	s: 06-0	8	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	WIND 9	SPEED IN 25-29	KNOTS 30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(M) 350-010	1.7	1.1	.5	.1	•••••	• • • • • • •	•••••	• • • • • •	******	•••••	• • • • • • •	3.3	 5.2	4.5
020-040	1.4	.5	.1	.1								2.0	4.3	3.0
050-070	4.2	.7										4.9	2.9	2.5
(E) 080-100	9.0	.5										9.5	2.7	3.0
110-130	10.7	1.3	.3									12.3	3.0	2.5
140-160	10.9	3.0	1.2	.2								15.2	4.1	3.0
(S) 170-190	6.6	2.1	2.5	.5	.2							11.8	5.7	4.0
200-220	2.6	.5	.2	.2	.2	.1						3.7	5.2	3.0
230-250	1.7	.5	.1									2.4	3.5	3.0
(W) 260-280	1.8	.5	.2									2.5	3.6	3.0
290-310	2.1	.8	.4									3.3	4.3	3.5
320-340	2.4	1.8	1.1	.7	.2							6.2	7.5	6.0
VARIABLE	: !	•••••	•••••	•••••	•••••	• • • • • • •	•••••	******	•••••	•••••	•••••	•••••	•••••	•••••
CALM	,,,,,,,,	/////	//////	///////	//////	,,,,,,,	//////	,,,,,,,	///////	//////	,,,,,,,	22.9	/////	//////
TOTALS	55.1	13.3	6.6	1.8	.6	.1						100.0	3.3	3.0
			· to	TAL NUM	BER OF	OBSERVA	TIONS	1317						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION HAME: DUGGAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90

EST TO UTC: + 7 MONTH: FEB HOURS: 09-11

					WIND S	SPEED IN	KNOTS							
CIRECTION (DEGREES)	1-4	5-9	10-14	15 - 19	20-24	25 - 29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAH	HA I G3H DH I W
(N) 350-010	1.6	.8	.8	.2		· · · · · · · ·	.1					3.5	7.0	6.0
020-040	1.6	.7	.3	.1								2.7	4.8	3.0
050-070	2,1	.3										2.4	2.8	2.0
(E) 080-100	4.3	.4										4.7	2.7	2.5
110-130	7.4	1.0	.2									8.6	3.0	3.0
140-160	8.7	2.5	1.9	.1								13.2	4.5	3.0
(S) 170-190	5.2	2.7	3.8	1.8	.3							13.8	8.0	7.0
200-220	2.5	.6	.4	.1	.1							3.8	5.6	3.0
230-250	3.6	.9	.1		.1							4.7	3.7	3.0
(W) 260-280	4.1	1.8	.1									6.1	3.9	4.0
290-310	4.4	2.1	.1	.2	.2	.1						7.2	5.2	4.0
320-340	2.0	2.0	1.9	1.0	.2	.1	.1					7.4	9.5	8.5
VARIABLE	 					• • • • • • •			• • • • • • •	• • • • • • •				
CALM	1111111	(11/1/)	11/////	(11/1/1)	//////	///////	//////	(11/1//	///////	(//////	///////	21.9	/////	111111
TOTALS	47.5	15.8	9.6	3.5	.9	.2	.2					100.0	4.2	3.0

TOTAL NUMBER OF OBSERVATIONS 1351

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90

		LS	ST TO UI	rc: + 7			•		HONTH	: FEB	HOUR	8 : 12-1	4	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		BPEED IN 25-29	KNOTS 30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN UIND	MEDIAN UIND
(N) 350-010	2.8	2.1	1.2	.3	•••••	• • • • • • •	•••••	• • • • • • •	•••••	******		6.4	6.3	6.0
020-040	.8	1.2	.7									2.7	6.5	6.0
050-070	1.2	.6	.2									2.0	4.6	4.0
(E) 080-100	.7	.2										1.0	3.6	3.0
110-130	2.5	.7	.3									3.6	4.4	3.0
140-160	4.0	2.7	1.6	.4		.1						8.8	6.5	5.0
(\$) 170-190	2.5	3.9	5.8	2.0	.7	.1						15.1	10.2	10.0
200-220	2.5	3.5	1.3	.2	.1							7.7	6.8	6.0
230-250	4.1	1.8	.2									6.1	4.3	4.0
(W) 260-280	5.7	3.7	.4	.1		.1						9.9	4.6	4.0
290-310	6.1	4.8	1.0	.4	.4	.1						12.8	6.0	5.0
320-340	5.0	4.7	3.3	1.4	.4	.1						14.9	8.0	6.0
VARIABLE	: 	• • • • • •	•••••	•••••		•••••	•••••	•••••	•••••	• • • • • •	• • • • • • •	• • • • • •	•••••	•••••
CALM	1111111	//////	//////	//////	//////	///////	//////	,,,,,,,	,,,,,,,	//////	,,,,,,,	8.9	/////	//////
TOTALS	37.9	29.9	16.0	4.8	1.6	.5						100.0	6.2	5.0
			TO	MUK JAT	SER OF	OBSERVA	TIONS	1335						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: FEB HOURS: 15-17

		• • • • • •	•••••	•••••		PEED IN		• • • • • • •		• • • • • • •		• • • • • • •	· · · • · · ·	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25 - 29	30-34	3 5 - 39	40-49	5ú-64	GE 65	TOTAL え	MEAN WIND	HEDIAN WIND
(N) 350-010	1,3	3.1	2.7	.7	.2	••••••		• • • • • • •		•••••		5.0	3.8	9.0
020-040	1.2	2.3	1.2	.5								5.2	7.6	7.0
050-070	.8	.5	.6	.2								2.0	7.5	6.5
(E) 080-100	1,7	.6		.1								2.3	3.8	3.0
110-130	2.1	1.4	.3									3.8	4.6	4.0
140-160	4.0	3.1	1.3	.4	.2							8.9	6.5	5.0
(S) 170-190	2.9	4.5	3.4	1.3	.8							13.0	9.3	9.0
200-220	2.0	2.0	1.2	.3	۶.							5.8	7.1	7.0
230-250	3.1	1.2	.5	.1	.1							4.9	4.9	3.0
(W) 260-2 80	4,2	2.1	.4	.4								7.1	4.9	4.0
290-310	5.8	5.3	1,4	.4	.3							13.1	4.0	5.0
320-340	5.2	4.9	3.5	1.2	.3	. 1						15.2	7.6	6.0
VARIABLE	 					•••••			· • • • • • • •			• • • • • •	•	·····
CALM	11111111	(1/1///	///////	1111111	11/1///	1111111	11/11/	(11/1/1	(//////	11/1///	///////	10.7	111111	7////
TOTALS	34.3	31.0	16.5	5.6	2.1	. 1						100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 1077

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90

*********		L	וט סד דו	rc: + 7					HONT	: FEB	HOUR	s: 18-2	0	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED 11 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN VIND	MEDIAN UIND
(N) 350-010	4.0	4.0	2.7	.1	•••••	•••••	•••••	•••••	••••••	•••••	•••••	10.8	6.5	6.0
020-040	3.2	2.8	1.2	.1								7.4	6.1	5.0
050-070	4.7	1.5	.7									6.9	4.4	3.0
(E) 080-100	6.5	.7										7.2	2.7	2.0
110-130	5.2	.9	.1									6.2	3.5	3.0
140-160	8.3	2.1	.6	.1								11.1	4.1	3.0
(S) 170-190	6.2	4.0	.7	.7	.4							12.1	5.9	4.0
200-220	1.5	.9		.1								2.5	5.1	4.0
230-250	1.0	.4	.1									1.6	4.8	4.0
(W) 260-280	.7	.3										1.0	3.6	3.0
290-310	1.6	.6	.6	.3								3.1	5.6	3.0
320-340	4.4	2.1	1.5	.6	.1							8.7	6.2	4.0
VARIABLE	<u>.</u>	• • • • • • •	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••
CALM	1111111	,,,,,,	//////	//////	,,,,,,	///////	,,,,,,	,,,,,,,	,,,,,,,	//////	,,,,,,,	21.4	/////	,,,,,,,
TOTALS	47.3	20.3	8.2	2.0	.5							100.0	4.0	4.0
			то	TAL NUM	BER OF	OBSERVA	TIONS	678						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HOWTH: FEB HOURS: 21-23

		La	10 01	U. + /						i. FEB	HOUR	3. E1-E.	,	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN UIND	MEDIAN WIND
(N) 350-010	2.2	2.4	1.5	•••••	•••••	• • • • • • •	•••••	•••••	• • • • • •	• • • • • •	• • • • • • •	6.1	6.3	5.0
020-040	1.4	1.0	.2									2.5	4.8	4.0
050-070	4.4	1.0										5.4	2.6	2.0
(E) 080-100	9.3	.7										10.0	2.5	2.0
110-130	10.0	.2										10.2	2.5	2.0
140-160	12.5	2.5	.5	5								16.1	3.8	3.0
(S) 170-190	6.4	2.2	2.2	.2	.5							11.5	6.0	4.0
200-220	1.0	.2	.3									1.5	4.8	3.0
230-250	1.4	.2										1.5	2.2	2.0
(W) 260-280	.8	.5	.5									1.9	5.7	6.0
290-310	.5	.2										.7	4.5	4.0
320-340	4.4	4.1	1.7	.2								10.3	5.9	5.0
VARIABLE		•••••	•••••	•••••	•••••	•••••			•••••	•••••	• • • • • • •	•••••	•••••	
CALM	11111111	//////	///////	///////	//////	///////	//////	//////	//////	//////	///////	22.3	/////	111111
TOTALS	54.3	15.2	6.9	.9	.5							100.0	3.3	3.0
			TC	TAL NUP	BER OF	OBSERVA	TIONS	591						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE		LS	T TO UT	C: + 7		OVING G			HONTI	1: FEB		S: ALL		•
DIRECTION					WIND S	PEED IN 25-29	KNOTS		40-49		GE 65	TOTAL		MEDIAN
(DEGREES)	ı	•••••	•••••	•••••	******	•••••	•••••	• • • • • •	• • • • • •	•••••	• • • • • • • •	×	WIND	WIND
(N) 350-010	2.0	1.8	1.2	.3	.0	•••••	.0	•••••	• • • • • • •	• • • • • • •	• • • • • • • •	5.4	6.8	6.0
020-040	1.4	1.1	.5	.1								3.1	5.9	5.0
050-070	2.8	.6	.2	.0								3.6	3.6	3.0
(E) 080-100	5.4	.5		.0								5.9	2.8	2.0
110-130	6.9	1.1	.2									8.2	3.1	3.0
140-160	8.4	2.8	1.3	.2	.0	.0						12.8	4.6	3.0
(S) 170-190	4.6	3.1	3.1	1.1	.4	.0						12.4	7.8	7.0
200-220	2.1	1.3	.6	.2	.1	.0						4.2	6.1	5.0
230-250	2.5	.8	2	.0	.0							3.5	4.1	3.0
(W) 260-280	3.0	1.5	.3	.1		.0						4.8	4.4	4.0
290-310	3.5	2.3	.5	.2	.2	.0						6.6	5.6	4.0
320-340	3.4	3.1	2.0	.8	.2	.1	.0					9.6	7.6	6.0
VARIABLE	: 	•••••	• • • • • •	• • • • • •	•••••	•••••	• • • • • •	•••••	•••••	•••••	• • • • • • • •	• • • • • •	•••••	
CALM	111:111	//////	//////	///////	//////	//////	//////	,,,,,,	///////	//////	///////	19.7	/////	;;;;;;
TOTALS	46.0	20.0	10.1	3.0	.9	.1						100.0	4.4	4.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	7592						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION HUNBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 HILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

• • • • • • • • • • • • • •			• • • • • • •	· · · · · · ·		PEED IN							• • • • • •	• • • • • • •
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 6	5 TOTAL	MEAN	MEDIAN
(DEGREES)												2	WIND	WIND
(N) 350-010	4.7	3.7	2.3			•••••	*	• • • • • • •	• • • • • • •			10.7	5.8	6.0
020-040		2.3	.5	.5								3.3	7.7	6.0
050-070	2.3											2.3	2.4	3.0
(E) 080-100	1.9	.5										2.3	3.8	3.0
110-130	2.8											2.8	2.5	2.5
140-160	7.4	1.4										8.8	3.1	3.0
(S) 170·190	4.2	1.4			1.4							7.0	7.0	3.0
200-220	4.2	.5			.5							5.1	4.5	2.0
230-250] 5.1	.5										5.6	3.2	3.0
(W) 260-280	4.2	5.1	.9									10.2	4.9	5.0
290-310	5.1	3.3										8.4	4.3	4.0
320-340	3.7	6.5	6.5	.9	.5	.9						19.1	9.6	9.0
VARIABLE	<u>'</u> }				• • • • • • • •				• • • • • • •	• • • • • •		•••••		
CALM	1111111	//////	11/////	//////	(())	(1/////	//////	1111111	///////	///////	/////	// 14.4	/////	111111
TOTALS	45.6	25.2	10.2	1.4	2.4	.9						100.0	5.C	٠.0

TOTAL NUMBER OF OBSERVATIONS 215

OPERATING LOCATION HAW UBAFETAC, AGREVILLE NO

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION HUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90

		L	S1 TQ U	rc: + 7					MONT	H: MAR	HOU	RS: 00-0	2	
DIECTION (DEGREES)	1-4	5.9	10-14	15 - 19		SPEED 1 25-29			40-49	50-64	GE 55	TOTAL	MEAH WIND	HEDIAN WIND
(H) 350-010	2.5	. 5	1.0	3			• • • • • • •			•••••	• • • • • • •	4.6	7.3	4.0
020-040	1.2	1.7	.7	. 2								3.7	6.6	6.5
050-076	4.4	1.0	.3									5.8	3.5	3.0
(E) 080-100	8.0											8.0	2.4	2.0
110-130	11.7	.2										11.8	2.5	2.0
140-160	18.6	4.2	.2									23.0	3.3	3.0
(S) 170-190	3.6	3.2	2.4	. 3								9.5	6.7	7.6
200-220	.2		.2									.3	5.5	5.5
230-250	1.0	.2	.2									1.4	4.4	3.5
(W) 260-280	1.2	. 3	.3									1.9	4.8	4.0
290-310	1.7		. 2									1,9	3.ũ	2.0
320-340	1.4	2.0	.8	. 2	.;	2						4.6	7.6	7.0
VARIABLE	1			• • • • • •			• • • • • • •		· · · · · · ·	• • • • • •	•••••			
CALM	1111111	//////	1111///	///////	//////	((1/1/1/)	11//////	///////	1111111	///////	11/////	/ 23.7	11111	111111
TOTALS	55.5	13.3	6.3	1.0		4						100.0	3.2	3.C

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HONTH: MAR HOURS: 03-05

				•••••		PEED IN		•••••	• • • • • •		•••••	• • • • • • • •		
DIRECTION (DEGREES)	1-4	5.9	1C-14	15-19	20-24	25-29	30-34	35 - 39	40-49	50-64	GE 65	TOTAL	HEAN WIND	MED I AN UI ND
(N) 350-010	1.0	.9	1.2	.1	••••		• • • • • • •		• • • • • • •	• • • • • •	•••••	3.2	7.8	6.0
020-040	.9	.9	. 1	. 5								2.2	6.9	6.0
050-070	3.5	.3	.3									4.0	2.9	2.0
(E) 080-100	10.8	.6										11.4	2.5	2.0
110-130	12.3	.6										12.8	2.4	2.0
140-160	11.0	3.5	.9									15.3	3.9	3.0
(\$) 170-190	3.9	3.8	2.3	.3								10.2	6.4	5.0
200-226	.9		.4	.1	.1		.1					1.7	10.1	7.5
230-250	1.3	.3	.1									1.7	3.3	2.5
(W) 260-280	1.7	.3	.1									2.2	3.3	3.0
290-310	1.7	.3	.4									2.5	4.1	3.0
320-340	1.4	2.0	1.6	.1		.1						5.3	7.7	8.0
VARIABLE	 		•••••	• • • • • •	• • • • • • •			• • • • • •	••••					,
CALM	1111111	(1////	///////	///////	(//////	///////	111111	//////	(//////	//////	///////	27.4	111111	///////
TOTALS	50.4	13.5	7.4	.9	.1	.1	.1					100.0	3.2	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUG

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 HONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		25.29		35.39	40-49	50-64	GE 65	TOTAL	MEAN UIND	MED LAN
350-010		1.1	.8	.8.	.1	•••••						3.4	9.3	9.0
040 - 050	1.2	.8	.1									2.2	5.1	4.0
050-070	3.3	. 3	.3									3.9	3.5	3.0
080-100	10.1	. 5	.1									10.7	2.7	3.0
110-130	11.8	1.8	.1									13,7	3.0	3.0
160-160	12.8	3.0	.4	.2								16.4	3.6	3.0
3) 170-190	5.5	2.6	2.1	.8	.1							11.0	٥.5	5.0
200-220	1.4	.7	.9	. 3	.1		.1					3.5	7.9	6.0
230-250	2.1	.5	.1	. 1	.1							2.9	4.8	3.0
1) 260-280	2.1	1.0	.1	.1								3.2	4.5	3.0
290-310	1.8	1.9	.5	.3	.1							4.6	6.9	6.0
320-340	1.5	2.1	1.5	.5	. 1	.1						5.8	8.8	8.0
VARIABLE	 						• • • • • •						· · · · · · ·	••••
CALM	11111111	(11111:	1111111	///////	111111	(111111)	1/////	(11111)	11/1///	11/////	1111111	18.7	711111	77777
TOTALS	54.3	16.3	7.0	3.1	.6	.1	. 1					100.0	4.0	3 .0

TOTALS

40.7 21.7 15.4

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO LITC: + 7 MONTH: MAR HOURS: 09-11 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION (TOTAL MEAN MEDIAN (DEGREES) WIND (N) 350-010 1.6 1.6 1.6 . 2 6.0 9.1 8.0 .9 020-040 .7 1.3 .1 . 1 3.1 8.0 8.0 050-070 1.1 .6 .1 1.8 4.6 3.0 (E) 080-100 2.6 . 7 3.2 3.5 3.0 ٠, 110-130 5.0 .3 3.6 3.0 6.1 2.5 2.0 .7 140-160 6.1 11.3 6.2 4.0 . 1 (\$) 170-190 4.1 9.0 9.0 4.0 4.8 2.1 15.4 200-220 2.6 1.3 1.2 .9 .6 . 1 6.6 5.8 6.0 230 - 250 4.2 1.1 .3 5.8 4.0 3.0 . 1 . 1 . 1 (W) 260-280 3.8 2.0 .3 6.3 4.6 4.0 290-310 5.1 2.6 2.1 .7 . 2 .1 10.9 6.8 5.0 320-340 3.9 3.0 1.8 ,9 . 3 10.3 8.0 6.0 VARIABLE CALM

TOTAL NUMBER OF OBSERVATIONS 1516

.6

2.1

6.5

100.0

6.0

5.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	ER: 690110		ATION N	AME: DU	IGHAY PE	ROVING G	ROUNDS	UT	PERIO MONTH:	D OF RE		MAY 60 : 12-14	- APR 9	0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	WIND 5 20-24	SPEED IN 25-29		35-39		50-64	•••••		MEAN VIND	MEDIAN VIND
(N) 350-010	2.1	2.4	2.3	1.0	.4	.1	•••••	.1	•••••	•••••	******	8.4	9.6	9.0
020-040	1.6	2.0	.9	.3								4.8	6.8	7.0
050-070	.7	.5		.1	.1							1.5	6.7	4.5
(E) 080-100	.8	.4	.1									1.4	5.0	4.0
110-130	.9	.3	.1									1.3	4.4	4.0
140-160	1.6	2.0	1.4	1.2	.2							6.4	9.2	9.0
(\$) 170-190	2.1	4.6	5.0	2.7	.5	.1						15.0	10.3	10.0
200-220	1.6	1.6	2.3	1.2	.5							7.2	10.1	10.0
230-250	2.5	2.9	.5	.5	.1							6.6	6.4	5.0
(W) 260-280	3.2	5.5	1.2	.3		.1						10.3	6.4	6.0
290-310	4.8	7.4	2.9	.7	.3	.2		.1				16.4	7.6	6.0
320-340	4.2	6.0	4.2	2.4	.3	.1	.1					17.3	8.9	8.0
VARIABLE	: !	•••••	• • • • • •	• • • • • •	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	• • • • • •	•••••
CALM	111111111	/////	//////	///////	//////	//////	,,,,,,	,,,,,,,	,,,,,,,	///////	///////	3.5	/////	//////
TOTALS	26.1	35.6	20.9	10.4	2.4	.6	.1	.2				100.0	8.1	7.0
			TO	TAL NUM	SER OF	OBSERVA	TIONS	1469						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION HUMBER: 690110 STATION NAME: DUGLAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: MAR HOURS: 15-17

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			• • • • • •	• • • • • •	WIND S	PEED IN	KNOTS				• • • • • • • •			
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL 2	MA3M On I'u	MED I AN ON I W
(N) 350-010	1.9	4.0	3.7	.7	.4	* * * * * * *	• • • • • •	•••••	• • • • • •	• • • • • • •		10.8	9.1	9.0
020-040	.9	2.7	3.2	.6	.3	.1						7.7	9.7	10.0
050-070	1.1	.9	1.1	.2	.1							3.3	7.8	6.0
(E) 080-100	1.4	.3	.1									1.8	3.6	3.0
110-130	.2	.7		.1								1.0	6.2	5.0
140-160	1.9	2.6	1.0	.5	. 1							6.1	7.2	6.0
(S) 170-190	1.7	4.9	4.0	1.0	.1	.1						11.8	9.2	9.0
200-220	1.8	1.5	2.3	1.3	.7							7.7	10.5	10.0
230-250	1.7	1.5	1.2	.4	.3							5.1	8.0	7.0
(W) 260-280	2.5	4.6	1.3	.5	.1		.2					9.1	7.5	6.5
290-310	4.7	6.6	2.5	.7	.5	.1						15.1	7.3	6.0
320-340	4.6	6.1	4.3	1.6	.7	.1	.1					17.5	8.8	8.0
VARIABLE					• • • • • • •		• • • • • • •		• • • • • •		• • • • • • •	•••••		• • • • • •
CALH	1111111	(11/1/	//////	(!!!///	//////	1111111	1/1/1/	(1)/1//	(111111)	///////	(111111)	2.9	/////	11/////
TOTALS	24.4	36.4	24.7	7.6	3.3	.4	. 3					100.0	8.2	8.0

CALH

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE TIMO DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: MAR HOURS: 18-20 STATION NUMBER: 690116 STATION NAME: DUGWAY FROVING GROUNDS UT LST TO UTC: + 7 WIND SPEED IN KNOTS 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 SE 65 TOTAL MEAN MEDIAN DIRECTION ! (DECREES) X WIND WIND (N) 350-010 . 3 4.3 5.1 2.2 11.8 6.0 2.0 10.8 7.0 020-040 3.4 5.2 6.6 050-070 3.6 2.3 1.2 7.8 5.0 3.2 .7 3.3 (E) 080-100 4.0 3.0 110-130 3.1 1.2 4.3 3.5 3.5 8.5 140-160 5.2 3.0 . 1 4.3 4.0 . 1 2.7 7.2 7.0 Q.A (S) 170-190 3.1 3.6 200-220 1.9 1.5 1.1 6.2 11.5 11.0 .5 9.6 9.0 .5 .7 . 1 2.7 230-250 .8 .7 1.9 7.6 (w) 260-280 1.3 . 3 . 1 . 1 6.0 .9 .8 5.2 5.0 4.0 290-310 3.4 . 1 ٠,9 . 1 3.9 3.9 1.9 11 0 7.6 6.0 320-340 . 3 VARIABLE

TOTAL NUMBER OF OBSERVATIONS 744

36.1 30.2 13.7 4.7 1.3 .1 .2

100.0 5.8 5.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY DESERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY A0 - APR 90 LST TO UTC: + 7 MONTH: MAR HOURS: 21-23

	• • • • • • • • •		• • • • • •	• • • • • •	WIND S	SPEED IN	KNOTS	· · · · · · · · ·		• • • • • •	• • • • • •		• • • • • •	• • • • • • • • • • • • • • • • • • •
DIRECTION (DEGREES)	1-4	5.9	10-14	15-19	20-24	25 - 29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN UIND	MEDIAN UND
(H) 350-010	2.2	1.7	1.7	.2	• • • • • •	• • • • • • •					· • • • • • •	5.8	7.0	6.0
020-040	2.0	3.9	.7	.2	.2							6.9	6.5	6.0
050-070	4.4	.3	.5	.2								5.4	3.8	2.0
(E) 080-100	7.8	.3										8.1	2.3	2.0
110-130	7.6	.5										8.1	2.7	3.0
140-160	14.9	5.3	1.0		.2							21.4	4.2	3.0
(S) 170-190	5.8	3.4	1.4	.3								10.8	5.5	4.0
200-220	1.4	.7	.7									2.7	5.7	4.5
230-250	1.2	.5										1.7	4.0	3.5
(W) 260-280	1.2		.3	.2								1.7	5.0	3.5
290-310	.5	.5	.5	.3								1.9	9.1	0.8
320-340	1.4	3.4	1.2									5.9	6.6	6.0
VARIABLE					• • • • •	• • • • • • • •	•••••							• • • • • • •
CALM	1111111	(11111	1111111	1/////	//////	////////	//////	////////	//////	/////	//////	/// 19.5	/////	11/11/1/
TOTALS	50.4	20.5	8.0	1.4	. 4							100.0	3.8	5.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE		LS	T TO UT	C: + 7		ROVING G		-	HONTH	DO OF RI		MAY 60 8: ALL	· APR 9	0
DIRECTION					WIND S	PEED IN	KNOTS			50-64	GE 65	TOTAL	MEAN	MEDIA
(DEGREES)		• • • • • •		•••••	•••••		•••••	• • • • • • •	•••••	• • • • • • •	• • • • • • •	*	ALMO	VIND
(N) 350-010	1.9	2.2	1.9	.7	.2	.0	• • • • • •	.0	•••••	• • • • • • •	• • • • • • •	6.8	8.6	8.0
020-040	1.4	2.1	1.1	.2	.1	.0						4.8	7.4	7.0
050-070	2.3	.7	.4	.1	.0							3.6	5.0	3.0
(E) 080-100	4.9	.5	.1									5.5	2.9	3.0
110-130	5.9	.8	.1	.0								6.8	3.1	3.0
140-160	7.7	3.0	1.0	.5	.1							12.2	4.9	4.0
(S) 170-190	3.6	3.9	3.4	1.3	.2	.0						12.4	8.3	8.0
200-220	1.5	1.1	1.4	.7	.4	.0	.0					5.2	9.6	9.0
230-250	2.2	1.1	.4	.3	.1	.0						4.1	5.8	4.0
(W) 260-280	2.4	2.4	.6	.2	.0	.0	.0					5.7	6.0	5.0
290-310	3.4	3.2	1.5	.5	.2	.1		.0				8.9	7.0	6.0
320-340	3.0	3.8	2.4	1.0	.3	.1	.0					10.7	8.4	7.0
VARIABLE		•••••	***;***	•••••	•••••	• • • • • •	•••••	• • • • • •		•••••	• • • • • • •	•••••	• • • • • •	•••••
CALM	,,,,,,,,	/////	///////	///////	//////	///////	//////	//////	//////	//////	///////	13.3	/////	//////
TOTALS	40.2	24.8	14.3	5.5	1.6	.2						100.0	5.7	5.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGLAY PROVING GROUNDS UT-LST TO UTC: + 7 PERIOD OF RECORD: MAY 60 - APK 90

UTC: + 7 MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 HILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	1 1-4	5.0	10-14	15.10		PEED IN		₹5.30	40-49	50.44	CE 45	TOTAL	MEAN	MEDIAN
(DEGREES)									• • • • • • • • • • • • • • • • • • • •			***************************************	WIND	WIND
(H) 350-010	1.9	8.0	4.3	6	6	•••••	· · · · · · ·		•••••		• • • • • • •	15.4	8.6	8.0
020-040	1.2	1.9	1.2									4.3	7.0	8.0
050-070	3.7	1.2	1.2									6.2	4.9	3.5
(E) 080-100	.6											.6	1.0	1.0
110-130	3.1											3.1	2.0	2.0
140-160	1.2											1.2	2.5	2.5
(S) 170-190	1.2	1.2										2.5	4.8	4.0
200 - 220	1.2											1.2	3.0	3.0
230-250		2.5										2.5	6.0	5.5
(W) 260-280	2.5	1.2	.5			۵.						4.9	7.4	5.5
290-310	5.6	3.7	4.3	.6		.6						14.8	8.2	8.5
320-340	3.1	6.8	11.1	6.2	2.5							29.6	11.6	11.C
VARIABLE		• • • • • •				• • • • • •	• • • • • •	• • • • • •		• • • • • • • •			. .	
CALM	1111111	//////	(1/1///	///////	1/////	////////	/////	111111	///////	//////	////////	13.6	11:11	111111
TOTALS	25.3	26.5	22.7	7.4	3.1	1.2						100.0	7.3	8.0

TOTAL NUMBER OF OBSERVATIONS 162

C - 4 - 30

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: APR HOURS: 00-02

DIRECTION	1 1-4	5-9	10-14	15-19		SPEED IN		35-39	40-49	50-64	 GE 65	TOTAL	MEAN	
(DEGREES)	i						34 34	33 31	70 77	JU-04	GC 07	X	VIND	WIND
(N) 350-010	1.5	2.2	.6	.2	•••••	•••••	•••••	• • • • • • •	•••••	• • • • • • •	******	4.4	6.4	6.5
020-040	1.1	1.5	1.5									4.1	7.5	7.0
050-070	3.1	.4	.2									3.7	3.1	3.0
(E) 080-100	7.2	.9										8.1	2.9	2.5
110-130	7.6	1.1										8.7	2.8	2.0
140-160	17.4	4.6	.9									23.0	3.8	3.0
(\$) 170-190	5.4	6.3	2.0	.6								14.3	6.0	6.0
200-220	.9	.6	.2									1.7	4.8	4.0
230-250	.9	.6										1.5	4.4	3.5
(W) 260-280	2.4	.9										3.3	3.9	3.5
290-310	1.1	.6	.2									1.9	4.8	3.5
320-340	3.0	2.6	1.3	1.3								8.1	7.6	7.0
VARIABLE	: 	•••••	•••••	• • • • • •	•••••	•••••	• • • • • •		******	•••••	•••••	•••••	• • • • • •	•••••
CALM	1111111	//////	//////	//////	/////	///////	//////	,,,,,,,	,,,,,,,	1111111	///////	17.2	/////	,,,,,,
TOTALS	51.6	22.3	6.9	2.1								100.0	3.9	3.0
			, to	TAL NUM	BER OF	OBSERVA	TIONS	540						

C - 4 - 31

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NAME: DUGMAY PROVING GROUNDS UT LST TO UTC: + 7 PERIOD OF RECORD: MAY 60 - APR 98 HONTH: APR HOURS: 03-05 STATION NUMBER: 690110

			1 10 01	(; Y)					HUHIT	; APR	HOUR	3; 45-0	•	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED 1W 25-29		35-39	40-49	50-64	Œ 65	TOTAL 2	MEAN VIND	MED LA VING
N) 350-010	1.6	2.4	.7	.3	•••••	•••••	• • • • • •	• • • • • • •	•••••	•••••	• • • • • • •	5.0	6.2	6.0
020-040	.5	1.2	.9									2.7	7.8	8.0
050-070	4.3	.5	.1									5.0	3.4	3.0
2) 080-100	10.6	.3										10.9	2.8	3.0
110-130	9.9	1.7										11.7	3.0	3.0
140-160	13.2	3.9	1.1		.1							18.3	4.0	3.0
3) 170-190	6.2	4.6	2.3									13.0	5.8	5.0
200-220	1.5	1.1	.3	.1	.3							3.2	7.4	6.1
230-250	1.1	.4	.1			.1						1.7	5.6	3.0
J) 260-280	1.7	.9										2.7	3.7	3.
290-310	1.3	1.6	.3	.4								3.6	6.4	6.
320-340	3.1	2.6	1.1	.4								7.1	6.4	5.
VARIABLE	: 	•••••	• • • • • •	• • • • • • •	• • • • • • •		•••••	• • • • • •	•••••	• • • • • •	•••••	•••••	•••••	
CALM	11111111	//////	//////	//////	///////	///////	//////	//////	//////	//////	///////	15.1	11111	111111
TOTALS	55.0	21,2	6.9	. 1.2	.4	.1						100.0	3.9	4.
			T	TAL NU	MBER OF	OBSERV/	TIONS	744						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 690110	LS	ATION N	C: + 7						I APR	HOUR	MAY 60 - 8: 06-0		0
DIRECTION (DEGREES)	1-4	5-9	10-14		WIND 1	PEED 11 25-29	KNOTS		40-49		GE 65	TOTAL	MEAN VIND	MEDIAN VIND
(N) 350-010	.7	.9	1.1	2	•••••	•••••		• • • • • • •	• • • • • •	•••••	• • • • • • •	2.9	8.2	8.5
020-040	1.4	.8	.6	.2	.1							3.1	6.5	5.0
050-070	2.9	.6	.3									3.7	3.7	3.0
(E) 080-100	7.4	1.2										8.6	3.1	3.0
110-130	11.8	2.0	.1	.1								14.0	3.2	3.0
140-160	12.7	3.7	1.9	.3								18.7	4.4	3.0
(S) 170-190	5.6	2.9	2.0	.4	.1							10.9	6.1	4.0
200-220	3.1	.8	.6	.1	.1	.1						4.7	5.1	3.0
230-250	2.1	.8	.3	.1								3.3	4.6	3.0
(W) 260-280	2.6	1.4	.4	.1								4.6	5.2	4.0
290-310	2.0	1.9	.9	.6	.1	.1	.1					5.7	8.2	6.5
320-340	1.6	2.2	1.0	.2	.1							5.0	7.0	6.0
VARIABLE		•••••	•••••	•••••	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • •	• • • • • • •	•••••	•••••
CALM	11111111	/////	,,,,,,,	//////	//////	//////	//////	//////	//////	//////	///////	14.8	/////	//////
TOTALS	53.9	19.2	9.2	2.3	.5	.2	.1					100.0	4.2	3.0
			TC	TAL NU	4BER OF	OBSERV	ATIONS	1438						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: CUGNAY PROVING GROWNOS UT PERIOD OF RECORD: NA1 60 - APR 90 MONTH: APR HOURS: 09-11

	• • • • • • • •		• • • • • •		WIND S	PEED IN	KNOTS		• • • • • • •	•••••	- · · · · · ·	• • • • • • • •	• • • • • •	• • • • • • •
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 - 39	40-49	50-64	GE 65	101AL	MEAN UNIW	MEDIAN WIND
(N) 350-010	1.1	1.3	1.0	.5	.2	• • • • • •		• • • • • •			••••	4.3	8.5	7.0
C20-040	.9	1.3	.5	.3	.3							3.4	8.9	8.0
050-070	1.2	.5	.3									2.0	5.2	3.5
(E) 080-100	1.6	.5	.1									2.2	3.9	3.0
110-130	2.0	.7	, 1	.1								2.8	3.9	3.0
140-160	3.8	2.5	2.0	.5	.1	. 1						8.9	7.0	5.5
(S) 170-190	3.2	6.0	6.1	3.4	.7	. 1						19.6	10.0	10.0
200-220	2.6	1.5	1.1	. 5	. 2	.1						6.1	7.5	5.0
230-250	2.6	1.3	.3	. 3								4.7	5.4	4.0
(W) 260-280	5.1	3.8	1.0	.3	.2							10.5	5.7	5.0
290-310	4.5	4.9	2.7	1.1	.3	.2						13.6	7.7	6.0
320-340	2.9	4.1	2.6	1.4	.4	1						11.5	8.6	7.5
VARIABLE	·	<i>.</i>		••••		. 		• • • • • •	• • • • • •					
CALM	1111111	(1/11/1	1//////	(//////	(1/1/11	(11(111)	11/1//	1111111	///////	///////	11/////	// 10.5	11/1/	(111111
TOTALS	31.5	28.4	17.8	8.5	2.4	.6						100.0	6.9	6.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGNAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HOWTH: APR HOURS: 12-14

		ra	וט טו	C: + /					MONTH	: APR	HOUR	8: 12-14		
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN UIND	MEDIAN UIND
(N) 350-010	1.2	1.9	1.3	.6	.4	• • • • • • •	• • • • • •	•••••	• • • • • • •	•••••	• • • • • • •	5.4	9.2	8.0
020-040	1.3	1.1	1.7	.2	.2							4.5	8.5	9.0
050-070	.8	.3										1.1	4.1	3.0
(E) 080-100	1.0	.3										1.3	3.6	4.0
110-130	.5	.3	.2									1.0	5.9	5.0
140-160	2.2	2.0	1.1	.3	.6	.1						6.3	8.5	6.0
(\$) 170-190	2.3	4.4	5.8	2.5	.9	.1						16.0	10.5	10.0
200-220	1.4	3.1	2.2	1.0	.3	.1						8.2	9.3	9.0
230-250	2.3	3.5	.8	.2	.4	.3	.1					7.6	8.2	6.0
(W) 260-280	3.8	7.5	2.1	.6	.1							14.1	6.9	6.0
290-310	2.8	7.2	5.3	1.6	.3	.1	.1					17.5	9.0	8.0
320-340	2.6	5.2	4.1	2.0	.6							14.5	9.4	9.0
VARIABLE		• • • • • •		•••••	•••••	•••••		•••••	•••••	•••••		••••••	•••••	•••••
CALM	1111111	//////	(//////	//////	//////	///////	//////	//////	//////	//////	///////	2.5	/////	//////
TOTALS	22.2	36.8	24.6	9.0	3.8	7	.2					100.0	8.5	8.0
	•		T	DTAL NU	MBER OF	OBSERV	ATIONS	1440						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

		LS	T TO UT	C: + 7				. .		I: APR		\$: 15-1°		
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	WIND S	PEED IN	KNOTS		40-49			TOTAL	MEAN WIND	MEDIAN CHIW
(N) 350-010	1.4	2.1	3.4	6	5	.1		• • • • • •				8.1	10.3	10.0
020-040	.7	2.2	1.6	.5	.1							5.1	9.0	8.0
050-070	1.4	1.1	.3									2.7	4.9	4.5
(E) 080-100	.7	.9	-1									1.7	4.9	5.0
110-130	.5	.5	.2	.1								1.3	7.0	5.0
140-160	1.6	2.7	1.4	.2	٠,2	.1						5.5	8.4	8.0
(S) 170-190	2.5	3.6	3.1	1.2	.5	.8						11.7	10.4	9.0
200-550	1.5	2.4	1.9	.9	.6	.2						7.4	10.3	9.0
230-250	2.1	2.5	.9	.6	.2	.2						6.5	8.1	6.0
(W) 260-280	4.2	5.1	3.0	.4	.1	.1						12.8	7.1	6.0
290-310	3.5	6.8	4.0	1.0			.1					15.4	7.8	7.0
320-340	4.6	5.8	4.5	1.7	.7							17.3	8.6	8.0
VARIABLE	·													
CALM	11111111	(11111	111111	///////	///////	(//////	(11/1//	///////	///////	(//////	////////	4.3	/////	11/1//
TOTALS	24.1	35.7	24.4	7.2	2.9	1.5	.1					100.0	8.2	8.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 690110		ATION N	IAME: DU	IGHAY PR	OVING (ROUNDS	UT	PER IC	D OF RE	CORD:	MAY 60 8: 18-2	- APR 9	0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	WIND 8 20-24	PEED IN 25-29	KNOT8 30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN VIND	MEDIAN VIND
(N) 350-010	2.5	3.6	2.4	.6	.1	•••••	•••••	• • • • • • •	•••••	••••••	•••••	9.2	7.9	7.0
020-040	1.3	2.9	3.2	2.1	.1							9.6	10.4	10.0
050-070	4.9	1.5	.7	.1								7.2	4.4	4.0
(E) 080-100	2.5	.3										2.8	2.8	2.0
110-130	1.8	.6										2.4	3.4	3.0
140-160	3.3	3.5	1.1	.3								8.2	5.8	6.0
(8) 170-190	3.1	4.7	2.1	.6	.4							10.8	7.8	8.0
200-220	1.3	2.2	1.3	.4	1.0		•					6.1	9.8	7.0
230-250	1.0	.8	.7	.7		.1						3.3	9.3	7.5
(W) 260-280	2.5	1.3	1.0	.1								4.9	5.8	4.0
290-310	3.8	4.2	1.0	.1								9.0	5.8	5.0
320-340	5.1	4.3	2.2	.8	.3	.4						13.2	7.4	5.0
VARIABLE		• • • • •	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	•••••	• • • • • •	
CALM	111111111	/////	//////	,,,,,,	//////	//////	//////	///////	,,,,,,,	//////	,,,,,,,	13.3	/////	//////
TOTALS	33.1	29.9	15.7	5.8	1.9	.5						100.0	6.2	6.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION HUMBE	R: 690110		T 10 UT	C: + 7	GWAY PRI				HONTH	: APR	HOUR	MAY 60 S: 21-2		ю.
DIREC .UN (DEGREES)	1-4	5-9				PEED IN	KNOTS				GE 65	TOTAL	MEAN WIND	MEDIA WIND
(N) 350-010	1.1	3.1	1.7	.6	2	• • • • • •	• • • • • •		• • • • • • •	• • • • • • •	• • • • • • •	6.7	8.4	7.5
020-040	3.0	4.1	2.4	.2								9.6	6.8	7.0
050-070	5.7	1.9		.2								7.8	3.6	3.0
(E) 080-100	8.0	.9										8.9	2.9	3.0
110-130	6.7	.9										7.6	2.9	3.0
140-160	10.7	4.4	.4	. 2								15.7	3.9	3.0
(s) 170-190	4.3	4.8	3.3	.7								13,1	7.3	8.0
200-220	.7	.9	.6									2.2	6.5	6.5
230-250	1.9	.2	.2									2.2	3.6	2.5
(W) 260-280	1.5	.6	. ć									2.6	5.1	3.5
290-310	1.3	.7										2.0	4.1	4.0
320-340	1.9	3.1	2.0	.9	.2							8.1	8.4	8.0
VARIABLE	: 		• • • • • • • • • • • • • • • • • • • •	•••••	• ,			••••				•••••		
CALM	11111111	/////	1111111	//////	//////	///////	11/1//	///////	1111111	1//////	///////	13.3	111111	7/////
TOTALS	46.8	25.6	11.2	2.8	.4							100.0	4.7	4.0

TOTAL NUMBER OF OBSERVATIONS 540

C - 4 - 38

TOTALS

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE		LE	IT TO UT	C: + 7					UT	MONTH	II APR	HOUR	MAY 60		0
DIRECTION					WIND	SPEED	IN I	CHOTS	35-39				TOTAL		MEDIA
(DEGREES)	I	• • • • •	•••••	•••••	••••	• • • • • •	•••	• • • • •	• • • • • • •				*	MIND	MIND
(N) 350-010	1.3	1.9	1.5	.5			0	• • • • •	• • • • • • •	•••••	•••••	• • • • • • •	5.4	8.5	8.0
020-040	1.2	1.6	1.3	.4		1							4.7	8.4	8.0
050-070	2.5	.7	.2	.0									3.5	4.0	3.0
(E) 080-100	4.1	.7	.0										4.8	3.1	3.0
110-130	4.7	1.0	.1	.0									5.8	3.3	3.0
140-160	6.9	3.1	1.4	.3	•:	2.	0						12.0	5.3	4.0
(S) 170-190	3.8	4.5	3.7	1.5	•	4.	1						14.1	8.7	8.0
200-220	1.8	1.7	1.2	.5	•:	з.	1						5.6	8.3	7.0
230-250	1.9	1.5	.5	.3	•	1.	1	.0					4.4	6.9	5.0
(W) 260-280	3.3	3.3	1.2	.2	•	1.	0						8.1	6.2	5.0
290-310	2.8	4.1	2.3	.8	•	1.	.1	.0					10.2	7.9	7.0
320-340	3.0	3.9	2.5	1.2	•:	3.	0						11.0	8.3	8.0
VARIABLE	: 	••••	• • • • • •	•••••	••••	• • • • • •	••••	• • • • •	• • • • • • •	•••••	•••••	• • • • • •	•••••	• • • • • •	•••••
CALM	111111111	/////	///////	//////	/////	,,,,,,	////	/////	,,,,,,,	///////	//////	///////	10.3	/////	111111

TOTAL NUMBER OF OBSERVATIONS 8005

37.3 28.0 15.9 5.7 1.8 .4

100.0 6.2 5.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGMAY PROVING GROUNDS UT-LST TO UTC: + 7 PERIOD OF RECORD: MAY 60 - APR 90 MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AMD/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

......

A16454444			••••••			SPEED IN								
DIRECTION	1-4	٠٠٠٠٠	10-14	12.19	20-24	2 5-29	30-34		40-49	50-64	GE 65	TOTAL	HEAN	MEDIAN
(DEGREES)	l 											*	OH!⊎	MIND
(N) 350-010		2.5		.6								3.1	7.8	6.0
020-040		.6	.6									1.3	9,5	9.5
050-070	2.5		.6									3.1	4.2	3.0
(E) 080-10G	1.9	.ć										2.5	3,3	3.0
110-130														
143-160	1.9	.6										2.5	3.8	3.0
(\$) 170-190	2.5	1.9	2.5			1.9						8.8	11.6	9.5
200-220	1.9											1.9	5.0	2.0
230-250	2.5	1.9										4.4	3.7	4.0
(W) 260-280	3.8	2.5	3.8	.6								10.6	7.4	5.0
290-310	5.0	12.5	7.5	4.4	1.9	.6						31.9	9,9	8.0
320-340	3.8	4.4	8.1	2.5	.6	1.5						21.3	11.0	10.0
VARIABLE	! 						· · · · · ·					• • • • • • • • • • • • • • • • • • • •		
	ĺ													
CALM	11/////	//////	11//////	'//////	1//////	////////	711111	///////	////////	'///////	11111111	8.8	111111	177777
TOTALS	25.8	27.5	23.1	8.1	2.5	4.4						100.0	8.2	3.0

TOTAL HUMBER OF OBSERVATIONS 160

C - 4 - 40

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT-LST TO UTC: + 7 PERIOD OF RECORD: MAY 60 - APR 90 MONTH: MAY HOURS: 00-02

		1.5	100	C: + /					MON!H	: MAY	HOUR	\$: QQ-0	2	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIA) WING
M) 350-010	1.5	2.2	1.8	.8	• • • • • •	• • • • • • •				•••••		6.3	8.5	9.0
020-040	.5	2.0	.3	.8								3.5	9.3	9.0
050-070	5.2	1.1										6.3	3.3	3.0
080-100	9.8	.6										10.4	2.5	2.5
110-130	6.6	.9	. 2									7.7	3.1	3. 0
140 - 160	13.2	4.1	.6									18.0	3.9	3.0
5) 170-190	5.4	2.9	2.5	.8	. 2							11.7	6.7	5.5
200-220	.5	. 8										1.2	4.8	5.0
230-250	1.1	.5										1.5	3.8	3 .0
1) 260-280	1.5	.5	.2									2.2	3.9	3.0
290-310	1.1	.5	.3									1.8	5.5	4.9
320 - 3 40	2.3	2.8	.5	.6								6,1	7.0	6.5
VARIABLE	· 		• • • • • • •		• • • • • •			• • • • • •	• • • • • •	• • • • • •			• • • • • •	
CALH	7111111	(11/1)	1111111	//////	7///11	////////	777777	7/1///	1111111	111111	(11/1/11)	23.2	/////	7/////
TOTALS	48.7	18.9	6.4	3.0	. 2							100.0	3.8	3.5
			TO	TAL NUH	BER OF	OBSERVA	TIONS	651						

C - 4 - 41

OPERATING LOCATION MANUSKAFFTAC, ABHEVILLE NO

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION HUMBER: 690110

STATION NAME: DUGHAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: MAY HOURS: 03-05

				,									•	
PIRECTION DEGREES)	1-4 	5-9	10-14	15-19		SPEED 1N 25-29		35-39	40-49	50-64	GE 65	TOTAL	HEAN ⊎1ND	MEDIA
N) 350-010	.9	1.3	.3	.3				• • • • • • •			• • • • • • •	2.9	71	ć.0
020-040	1.4	. 3	.1									1.8	3.7	2.0
G\$0-070	4.9	.2	.1									5.3	2.8	2.0
E) 080-100	9.7	.8										10.6	2.6	2.0
110-130	10.8	1.6										12.4	2.9	3.0
140-160	15.0	3.6	.6									19.2	3.5	3.0
5) 170-190	3.7	3.8	2.3	.3								10.1	5.8	7.0
200-220	1.4	.3	. 1									1.8	4.1	3.0
230-250	1.4	.5	.2									2.1	4.1	3.0
1) 260-280	1.5	.5	.1	.2								2.3	5.2	4.0
290-310	1.3	.5	.1									1.8	4,1	3.0
320-340	2.2	2.5	٠,9									5.6	6.0	5.0
VARIABLE		• • • • • • •					• • • • •							• • • • • • •
CALH	1111111	//////	1//////	///////	71/1//	///////	//////	////////	(1/1/1/1	7//////	1111111	24.2	11/1//	11/11/
TOTALS	54.2	15.9	4.8	.8								100.0	3.1	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: MAY HOURS: 06-08

*	• • • • • •	• • • • • •	· • • • · · ·		WIND	SPEED IN	KHOTS	• • • • • •	• • • • • •	· · · · · · ·	• • • • • • •		· · · · · · ·	• • • • • • •
DIRECTION (DEGREES)	1-4	5.9	10-14	15-19		25 - 29		35 - 39	40-49	50-64	GŁ 65	TOTAL	MEAN W1ND	MED I AN
(h) 350-010	.5	1.2	. 5	.1	1	• • • • • •		· · · · · · · ·	• • • • • • •	· · · · · · · ·		2.4	7.8	7.5
J-04(.8	.4		. 1								1.2	4.5	4.0
050+070	3.2	.6	.1									3.9	3.2	3.0
(E) Q()-	7.8	1.2										9.0	2.9	3.0
110-130	\$.8	1.6	.2									11.5	3.2	3.0
140-160	11.1	3.1	1.0									15.2	4.0	3.0
(S) 170-190	5.3	4.2	3.2	.6	.2							13.5	6.8	6.0
200-220	2.9	.9	.3	. 1	. 1							4.3	4.5	3.0
230-250	2.5	.8										3.3	3.5	3.0
(W) 260-280	3.6	1.0	.3									4.9	3.8	3.0
290-310	1.8	1.2	,5	.1								3.5	5.6	4.5
320-340	1.6	2.8	1.0	. 2	.1							5.8	6.7	6.0
VARIABLE						• • • • • • •		• • • • • • •						
CALM	11111111	77777	1111111	7/////	111111	///////	1//////	///////	///////	///////	////////	21.5	111111	1/////
TOTALS	50.9	19.0	7.1	1,2	.5							100.0	3.6	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

-	TICING, NO	EVILLE NO	•				PROM	DURLY O	BEERVAT	ONS					
ST/	ATION NUMBE	R: 690110			IAME: DL IC: + 7	KGWAY F	PROVING	GROUNDS	UT		D OF RE		MAY 60 5: 09-1		•
	DIRECTION (DEGREES)	1.4	5-9	10-14	15-19	W1ND 20-24	SPEED 11 25-29	N KNOTS 30-34	35-39	40-49	50-64	GE 65	TOTAL X	MEAN VIND	REDIAN VIND
(H)	350-010	1.6	1.3	.7	.4	.1		• • • • • • •	•••••	• • • • • • •	•••••	••••••	4.1	7.2	5.0
	020-040	1.5	1.2	.9	.1								3.7	6.5	6.0
	050-070	1.2	.3										1.4	3.0	3.0
(E)	080-100	1.3	.3	.1									1.8	3.8	3.0
	110-130	1.3	.7	.1									2.1	4.1	4.0
	140-160	2.4	2.0	2.0	.5	.1	1						7.0	7.6	7.0
(8)	170-190	3.3	4.6	6.4	2.7	.6	•						17.6	9.8	10.0
	200-220	3.1	2.6	1.1	.5	.2	.1						7.7	6.9	5.0
	230-250	3.3	2.2	.3	.1								5.9	4.8	4.0
(W)	260-280	7.2	4.7	1.1	.1								13.2	4.9	4.0
	290-310	5.9	6.6	1.5	.8	.2	?						15.0	6.2	5.0
	320-340	4.5	3.7	2.0	.5	.2	?						10.8	6.6	6.0
•••	VARIABLE		• • • • •	•••••	•••••	•••••	• • • • • • •	•••••	• • • • • • •	• • • • • • •	******	•••••	•••••	•••••	•••••
	CALM	11111111	/////	//////	,,,,,,,	//////	///////	//////	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	9.6	/////	,,,,,,,
	TOTALS	36.6	30.2	16.2	5.7	1.4	1						100.0	6.1	5.0

TOTALS

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAY 60 - APR 90 STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7 MONTH: MAY HOURS: 12-14 WIND SPEED IN KNOTS DIRECTION 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN (DEGREES) X WIND WIND (N) 350-010 2.2 1.9 1.1 .3 .1 5.6 6.9 6.0 020-040 1.4 1.0 .4 .2 .3 3.3 7.5 6.0 050-070 1.0 .8 2.0 5.6 4.0 . 1 . 1 (E) 080-100 .5 .5 .1 1.1 5.2 4.5 1.2 4.5 4.0 110-130 .8 .3 . 1 140-160 1.3 2.7 2.0 .3 .3 6.6 8.5 8.0 13.7 (S) 170-190 2.3 4.2 4.9 1.5 .8 10.0 10.0 - 1 200-220 1.6 2.4 2.1 7.7 10.1 9.0 1.0 .8 230-250 2.7 3.9 1.4 .3 . 2 8.6 7.1 6.0 5.3 14.5 6.5 6.0 (W) 260-280 6.6 2.1 .4 .1 17.4 7.3 7.0 290-310 4.5 8.7 3.1 1.0 .1 14.5 7.0 320-340 7.1 3.0 .5 60 VARIABLE CALM

TOTAL NUMBER OF OBSERVATIONS 1459

٠2

2.7

40.1 20.4

5.5

160.0

7.4

7.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: HAY 60 - APR 90 HONTH: MAY HOURS: 15-17

***********	• • • • • • • •	• • • • • •	•••••		WIND !	SPEED IN	KNOTS	•••••					• • • • • •	•••••
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 6	55 TOTAL	MEAN WIND	MEDIAN WIND
(K) 350-010	2.0	2.7	1.3	.5	.4	• • • • • • •	•••••	• • • • • • • •		• • • • • • •	• • • • •	6.9	8.0	6.0
020-040	1.3	1.4	1.5	.5	.1							4.7	8.5	8.0
050-070	1.4	1.4	.2									2.9	5.2	5.0
(E) 080-100	.9	.6										1.5	3.9	4.0
110-130	17.2	.4	.5	.1								2.1	5.5	4.0
140 - 160	1.7	2.2	1.3	.5								5.6	7.6	6.5
(S) 170-190	1.4	3.1	2.7	5.0	.7	.3						10.2	10.9	10.0
200-220	1.2	2.5	2.6	1.5	.5	.1						8.4	10.7	10.0
230-250	2.1	3.6	1.9	.7	.5							8.9	8.7	7.0
(W) 260-280	3.5	5.6	2.4	.9	.1							12.4	7.5	7.0
290-310	5.1	6.9	1.9	,1	.2	.1						14.3	6.4	6.0
320-340	4.4	8.1	4.6	.5	.3							17.8	7.4	7.0
VAR:ABLE	<u> </u>	• • • • • •	• • • • • •	• • • • • •	• • • • • •	•••••	• • • • • •	• • • • • •	•••••	. .	••••	• • • • • • • • •	• • • • • •	• • • • • • •
CALM	1111111	//////	//////	///////	//////	///////	//////	///////	//////	//////	/////	/// 4.3	/////	1111111
TOTALS	26.2	38.5	20.9	7.3	2.8	.5						100.0	7.7	7.0
			T	TAL MU	MER OF	ORSERVA	TIONS	1101						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERGUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HONTH: MAY HOURS: 18-20

WIND SPEED IN KNOTS

DIRECTION | 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN

				•••••		PEED IN						• • • • • • • •		
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 · 39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN WIND
(N) 350-010	2.7	3.2	1.7	1.0	.4	,1	••••	•••••		•••••	• • • • • • •	9.1	3.4	7.0
020-040	2.7	5.7	3.0	.7	.2							12.4	7.8	7.5
050-070	2.5	.7	.2									3.6	4.1	3.0
(E) 080-100	2.3	1.1	.1									3.5	4.1	3.0
110-130	1.6	.6	.2	.1								2.5	4.8	3.0
140 - 160	3.0	1.9	.8	.4	.2							6.3	6.4	5.0
(S) 170-190	2.7	2.9	2.2	1.0	.4	.1						9.2	8.6	8.0
200-220	1.0	2.7	2.9	.6								7.2	9.3	9.0
230-250	2.3	1.4	1.2	.5								5.4	6.9	5.0
(W) 260-280	4.4	2.5	1.2	.1								8.2	5.5	4.0
290-310	4.5	2.7	.8									8.1	5.0	4.0
320-340	4.5	5.5	1.7	1.0	.5		.1					13.3	7.5	6.0
VARIABLE		 -	· • • • • • • •				• • • • • •		• • • • • •		• • • • • • • •	•••••	• • • • • •	• • • • • •
CALM	1111111	//////	1111111	//////	///////	//////	11/1///	//////	(111111)	1111111	///////	11.2	111111	//////
TOTALS	34.3	30.9	16.0	5.4	1.7	۶.	.1					100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 837

C - 4 - 47

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 HONTH: MAY HOURS: 21-23

					WIND S	PEED IN	KNOTS							
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN
(N) 350-010	1.2	3.2	2.8	1.1	•••••	.3	•••••	******	•••••		• • • • • • •	8.6	7.6	9.0
020-040	2.0	4.5	1.7	2.0	.2							10.3	9.1	8.0
050-070	6.9	3.1	.2									10.1	3.8	3.0
(E) 080-100	6.3	2.0										8.3	3.3	3.0
110-130	5.5	1.2	.5									7.2	3.5	3.0
140-160	8.3	2.5	.2	.3								11.2	3.9	3.0
(S) 170-190	4.1	3.5	2.6	.8	.5							11.5	7.7	8.0
200-220	8.	1.2	.5	.6								3.1	8.5	8.0
€30-250	1.4	1.4	.3									3.1	5.3	5.0
(W) 250-280	1.5	1.2	.3									3.1	\$.0	4.5
290-310	1.2	.6		.3								2.2	5.5	3.0
320-340	2.3	3.4	2.3	.5	.3							8.8	8.1	8.0
VARIABLE		• • • • • •	•••••		•••••	•••••	• • • • • •		******			• • • • • • •		
CALH	1111111	////:/	///////	///////	///////	1111111	//////	(()()()	1111611	11/1/11	///////	12.6	/////	111111
TOTALS	41.5	27.8	11.4	5.6	1.0	.3						100.0	5.4	5.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NAME: DUGWAY PROVING GROUNDS UT STATION NUMBER: 690110 PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: 9 7 SONTH: MAY HOURS: ALL WIND SPEED IN KNOTS DIRECTION | 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN (DEGREES) WIND WIND (N) 350-010 5.3 7.0 1.6 .1 020-040 1.4 1.7 .9 .4 7.0 4.5 7.6 .9 3.8 050-070 2.8 .1 .0 3.7 3.0 (E) 080-100 4.2 . 8 .0 5.1 3.1 3.0 110-130 4.4 .9 .2 .0 5.5 3.4 3.0 140-160 2.7 1.2 .3 .1 10.5 5.2 4.0 6.3 (S) 170-190 3.4 3.8 3.7 1.3 .4 12.8 8.7 8.0 . 1 200-220 1.8 1.8 1.3 ۸. . 2 .0 5.7 8.4 7.0 230-250 2.3 2.0 .7 .2 .1 5.3 6.3 5.0 1.1 .0 8.7 5.8 5.0 (W) 260-280 4.1 3.3 .2 9.3 290-310 3.5 4.1 1.2 .3 .1 .0 6.4 6.0 320-340 .4 .2 .0 10.6 7.1 6.0 3.3 4.6 2.1 VARIABLE CALH TOTALS 39.1 28.6 13.6 4.2 1.3 100.0 5.6 5.0

OPERATING LOCATION MANUSAFETAC, ASHEVILLE HC

F'AGENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FICH HOURLY OBSERVATIONS

STATION NUMBER: 690110

290-310

320-340

VARIABLE

CALM

TOTALS

3.2 12.9 6.5 3.2

6.5 19.4

STATION NAME: DUGSAY PROVING GROUNDS UT LST TO UTC: + 7

3.2

PERIOD OF RECORD: MAY 60 - APR 90 HONTH: MAY HOURS: ALL

29.0

25.8

7.4

8.5

6.0

7.0

CATE	GORY	A:								THAN	R														-		
			VIS	181	LITY	GE	1/2	M	LE	(0800	KE	TERS) BU	T LE	SS									ITH	CEILING	GE 200	FEET.
· · · ·	REC	TION	 	1.	• • • • 4	5-9	1	0-	14	15-19	-	IIND :				HOTS			40-4					65	TOTAL	MEAN	MEDIAN
٠	DEGR	EES)	ï	•••	••••	• • • •	•••	• • •	• • • •	• • • • •	•••	• • • •	••••	••••	••	• • • • •	••••	•••	• • • • •	• • •	• • • •	•••	•••	• • •	*	WIND	M, MD
, K,	350-	010	ï		••••	• • • •	•••	•••	••••	3.2	•••	3.2	- • • •	• • • •	- • •	• • • • •	• • • •	•••	• • • • •	•••	• • • •	•••	• •	• • •	6.5	20.0	20.0
	020-	040																									
	050-	070																									
(E)	080-	169																									
	110-	130																									
	140-	160				3.2	!																		3.2	5.0	5.0
(\$)	170-	190																									
	200-	220		3.	2							3.2													6.5	11.5	11.5
	230-	250																									
(W)	260-	280		16.	1	9.7	,																		25.8	4.5	4.0

29.0 45.2 6.5 6.4 9.6 100.0 7.7 6.0 TOTAL NUMBER OF OBSERVATIONS 31

C - 4 - 50

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUN HOURS: 00-02

									Provide to 1		MOOR	3. 00-0	•	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29)5-3 9	40-49	50-64	G€ 65	TOTAL	MEAN WIND	MEDIA WIND
(N) 350-010	1.6	2.9	1.7	1.0	.2		• • • • •		•••••	• • • • • • •		7.3	9.0	9.0
020-040	1.0	2.1	1.9	.3	.6	.2						6.0	10.5	9.5
050-070	5.4	1.0	.3									6.7	3.7	3.0
E) 080-100	9.4	1.1										10.5	2.8	3.0
110-130	6.7	1.1										7.8	3.0	3.0
140-160	12.1	3.0	.3								-	15.4	3.4	3.0
s) 170-1 9 0	7.1	4.4	1.9									13.5	5.4	4.0
200-220	2.4	.3	.3									3.0	4.2	3.0
230-250	1.1	.5										1.6	3.9	2.5
W) 260-280	2.5	.5										3.0	3.3	3.0
290-310	1.1	1.0			.2							2.2	5.5	4.5
320-340	2.1	2.2	.2									4.4	4.9	5.0
VARIABLE	: !	• • • • • •	•••••	· • • • • • •	• • • • • •	• • • • • • •	• • • • • •	· • · • • · · ·	•••••			•••••	• • • • • •	•••••
CALM	1111111	//////	//////	//////	//////	,,,,,,,	/////	////////	111111	111111	////////	18.6	111111	//////
TOTALS	52.5	20.1	6.6	1.3	1.0	.2						100.0	3.9	3.0
			TC	TAL NUN	BER OF	OBSERVA	TIOUS	630						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	YOTAL X	MEAN UIND	MEDIAN UIND
(N) 350-010	.7	1.6	.9	• • • • • •	• • • • • •	· • - · • •					•••••	3.3	7.1	6.5
020-040	2.2	.7	.9									3.9	5.9	4.0
050-070	3.5	.6										4.1	3.2	3.0
(E) 080-100	7.3	.9										8.2	2.8	2.0
110-130	9.6	1.4										11.0	3.0	3.0
140-160	15.9	4.0	.1									20.0	3,3	3.0
(S) 170-190	6.6	3.5	1.4									11.5	5.0	4.6
200 - 220	2.1	.4	.1	.2								2.8	4.6	3.0
230-250	2.6	.4										2.9	3.0	3.0
(W) 260-280	1.9	.4	.1									2.4	3.4	3.0
290-310	.9	.1	.1									1.2	4.1	4.0
320-340	1.3	1.8	.7									3.8	6.2	5.5
VARIABLE	: 	• • • • • •	•••••	• • • • • •			•••••			• • • • • •	• • • • • • •	•••••	• • • • •	• • • • • •
CALM	1111111	//////	1111111	(11/1//	//////	////////	//////	(/////	//////	'//////	(//////	24.9	/////	111111
TOTALS	54.6	15.8	4.3	.2								100.0	3.0	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VORSUS WIND SPEED FROM HOURLY OBSERVATIONS

TATION NUI	MBER: 6901		ATION A		GUAY PR	OVING GROUN	OS UT	PERIO MONTH	O OF RE		MAY 60 S: 06-0		ю
DIRECTION (DEGREE		5-9	10-14	15-19		PEED IN KING 25-29 30-	ets	40-49			TGTAL X		MED IAI
N) 350-01	0 1.2	.8	.3	.1	• • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	· • · · · • • •	••••••	• • • • • •	2.5	5.7	5.0
020-04	0 1.6	.7	.3	.1							2.1	5.5	5.0
050-07	0 2.8	.8									3.6	3.4	3.0
E) 080-100	6.3	1.3									7.6	3.2	3.0
110-130	0 11.0	1.7	.1								12.9	3.2	3.0
140-160	0 11.3	3.8	1.4								16.5	4.2	3.0
s) 170-190	0 5.4	3.0	2.7	.3	,1						11.4	6.1	5.0
200-220	0 3.0	.7	.2	.1							3.9	3.8	3.0
230-250	0 2.9	.9	.1								3.8	3.5	3.0
W) 260-281	0 2.5	.9	.1								3.5	3.6	3.0
290-31	0 1.9	1.3	.2	.1							3.5	5.0	4.0
320-34	0 2.5	1.5	.8	.1							4.8	5.6	4.0
VARIABLE	 E		• • • • • •	••••	• • • • • • •	•••••		• • • • • • •	• • • • •		•••••		••••
CALM	111111	///////	,,,,,,,	111111	//////	1111111111	1111111111	(1)(1)(//////	1111111	23.9	111111	111111
TOTALS	51.8	17.4	6.2	.8	.1						100.0	3.3	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY GBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 HONTH: JUN HOURS: 69-11

		ĹS	10 01	C: • /					PECHNE (H	: JUM	HOUR	5: V9-1	1	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		25-29		35-39	40-49	50-64	GE 65	TCTAL	MEAN WIND	MEDIAN UIND
(M) 350-010	1.9	1,4	1.2	.1	•••••	• • • • • • •	•••••	• • • • • • •		•••••		4.6	6.4	5.0
020-040	1.1	.7	.3	.1								2.2	5.8	5.0
050-070	.0	.7										1.5	3.9	4.0
(E) 080-100	1.1	.1	.1									1.4	4.1	3.0
110-130	1:4	.7	,1	.1								2.2	4.3	4.0
140-160	1.9	1.7	1.9	.5								6.0	7.7	8.0
(6) 170-190	3.2	4.6	6.8	1.8	.3	.1						16.8	9.4	10.0
200-220	3.5	2.5	1.3	.1	.1		.1					7.4	6.3	5.0
230-250	4.2	2.1	.6									6.9	4.7	4.0
(W) 260-280	7.6	5.0	.9									13.5	4.6	4.0
290-310	5.8	6.6	1.9	.1	.1							14.4	5.7	5.0
320-340	6.5	4.7	1,4	.3								13.0	5.5	4.0
VARIABLE	· 	•••••	••••	•••••		• • • • • • •	•••••	• • • • • •	•••••	•••••	•••••	•••••		•••••
CALM	1111111	111111	//////	///////	//////	///////	111111	//////	///////	1111111	///////	10.2	/////	111111
TOTALS	39.1	30.8	16.5	3.1	.5	.1	.1					100.0	5.6	5.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUM HOURS: 12-14

DIRECTION (DEGREES)	1.4	5-9	10-14	15-19		SPEED 1N 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(M) 35Q-010	1.7	2.2	1.2	.1		• • • • • • •	*****		•••••	•••••		5.2	6.9	6.0
020-040	1.0	.8	.2	.2	.1							2.3	7.7	5.0
050-070	1.1	.4	.1	. 1								1.7	4.6	4.0
(E) 080-100	.5	.3	.1									.9	4.8	4.0
110-130	.6	.6	.1									1.3	4.5	4.0
140-160	1.3	1.8	1.1	.4	.1							4.7	8.0	7.0
(S) 170-190	1.9	3.7	4.5	2.3	.8	.1						13.2	10.3	10.0
200-220	1.7	3.6	2.0	.3	.3	.1						7.9	8.2	7.0
230-250	2.9	4.5	1.4	.2								8.9	6.5	6.0
(W) 260-28G	4.7	8.6	1.8	.1	.1							15.3	6.4	6.0
290-310	4.7	9.6	4.9	1.3								20.5	7.5	7.0
320-340	4.5	6.9	2.0	.6	.3							14.4	7.0	6.0
VARIABLE	:	• • • • • •	• • • • • •		• • • • • •			• • • • • •	•••••	•••••		• • • • • • •	· • • • • • •	
CALM	1111111	111111	///////	1111111	//////	,,,,,,,	//////	1111111	1111111	11/1///	1111111	3.8	/////	/////
TOTALS	26.6	43.0	19.4	5.6	1.7	.2						100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 1435

C · 4 · 55

PERCENTAGE FREGUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM NOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION JAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUN HOURS: 15-17

			40.44	42.40		PEED IN								• • • • • •
DIRECTION (DEGREES)	1-4	2.4	10-14	15-19	20-24	ಎ-ನ	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN	MEDIAN
(N) 350-010	2.2	2.7	1.8	.3	.1	•••••		• • • • • •	• • • • • • •	•••••	•••••	7.0	7.5	7.0
020-040	1.2	1.8	1.1		.2							4.3	7.8	6.0
050-070	1.0	.5	.5	.1								2.1	6.1	4.5
(E) 080-100	.7	.6	.2									1.4	5.3	5.0
110-130	.7	.6	.4									1.7	5.7	5.0
140-160	1.0	1.4	.7		.2							3.3	7.2	6.0
(S) 170-190	1.6	4.1	3.1	1.3	.2							10.3	9.1	9.0
200-220	1.6	1.8	2.7	.7	.7	.1						7.6	10.2	10.0
230-250	1.5	3.8	2.2	.4	.3							8.2	8.5	8.0
(W) 260-280	3.9	5.9	2.4	.5	.2		.1					13.0	7.2	6.0
290-310	3,7	7.4	3.5	.8	.3							15.7	7.5	7.0
320-340	5.5	9.5	4.7	1.3	.2	.1						21.5	7.6	7.0
VARIABLE	 	• • • • •		*****	• • • • • •	•••••		• • • • • •	• • • • • • •	•••••	•••••	• • • • • • •	• • • • • •	
CALM	1111111	11/1//	///////	///////////////////////////////////////	///////	///////	11/1///	//////	1111111	//////	1111111	4.0	/////	771111
TOTALS	24.6	40.1	23.3	5.6	2.4	.2	.1					100.0	7.5	7.0

TOTAL NUMBER OF OBSERVATIONS 1067

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUN HOURS: 18-20

		· • • • •	• • • • • • • •	•••••	WIND S	PEED IN	KNOTS	•••••	• • • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 - 39	40-49	50-64	GE 65	TOTAL %	MEAN W1NO	MEDIAN UIND
(N) 350-010	3.1	4.3	2.7	.9	•••••	•••••	•••••	•••••	•••••	•••••	•••••	11.0	7.8	7.0
020-040	1.6	3.5	1.7	.7	.2							7.8	8.4	8.0
050-070	3.7	2.3	1.2									7.3	5.6	4.0
(E) 080-100	2.0	1.0	.2									3.2	4.2	3.0
110-130	1.7	1.0		.1								2.8	4.3	4.0
140 - 160	1.7	1.7	.5									4.0	5.4	5.0
(\$) 170-190	2.7	3.7	3.2	.6	.1							10.4	8.0	8.0
200-220	1.4	1.6	1.4	.6	.1							5.1	8.7	8.0
230-250	2.5	2.5	1.0	.6								6.5	7.2	6.0
(W) 260-280	2.8	2.7	.7	.1	.1							6.5	6.0	5.0
290-310	4.0	3.1	.6	.4								8.0	5.5	5.0
320-340	5.7	8.0	4.1	.1	.4							18.3	6.9	7.0
VARIABLE		••••		• • • • • • • • • • • • • • • • • • • •	•••••		• • • • • •			•••••	•••••	• • • • • • •	· · • • • • •	•••••
CALM	11111111	//////	//////	///////	//////	1111111	//////	///////	1/////	111111	1111111	9.1	111111	111111
TOTALS	32.9	35.4	17.3	4.1	.9							100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 810

C - 4 · 57

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 69 0110		ATION N	IAME: DU	GWAY PR	OVING (ROUNDS	UT		O OF RE	CORD:	MAY 60 S: 21-2		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED 11 25-29		35 - 39	40-49		GE 65	TOTAL	HEAN CHIU	MEDIAN WIND
(N) 350-010	3.0	3.5	4.3	1.0	.2	.2	• - • • • •	••••••		•••••	•••••	12.1	9.0	9.0
020-040	2.5	3.8	4.0	1.0	.8							12.1	9.4	9.0
05û-07C	5.9	3.2	2.1									11,1	5.5	٠.0
(d) 080-100	5.9	2.4										8.3	3.9	3.5
110-130	6.0	1.0										7.0	3.1	3.0
140-160	9.4	2.7	.3									12.4	3.8	3.0
(S) 170-190	3.8	4.0	1.1	.5								9.4	6.5	6.0
200-220	.3	.8	1.3									2.4	8.3	10.0
230-250	.3	.6	.2	.5								1.6	9.2	7.5
(V) 260-280	1.3	.6	.3									2.2	4.7	4.0
290/310	.6	.z										.8	3.0	3.0
320-340	3.2	2.5	1.3	.5	.s							7.6	6.6	5.5
VARIABLE	1	• • • • •	•••••	• • • • • •	•••••	•••••	•••••	• • • • • • •		•••••	•••••	•••••		••••••
CALM	minn	//////	///////	///////	///////	///////	//////	(111111)	1111111	///////	1111111	13.2	111111	111111
TOTALS	42.2	25.3	14.9	3.5	1.2	.2						100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 630

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HONTH: JUN HOURS: ALL

DIRECTION	1-4	5-9	10-14	15-19		PEED IN 25-29	KNOTS 30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)	i		••••	• • • • • •	•••••	• • • • • • •	• • • • • •	•••••			· • • • • • • •	*	MIND	WIND
(N) 350-010	1.8	2.2	1.5	.3	.0	.0	• • • • • •	•••••			• • • • • • • •	5.9	7.5	7.0
020-040	1.3	1.5	1.0	.2	.2	.0						4.2	8.0	7.0
050-070	2.5	1.0	.4	.0								3.9	4.6	3.0
(E) 080-100	3.6	.8	.1									4.5	3.4	3.0
110-130	4.5	1.0	.1	.0								5.6	3.4	3.0
140-160	6.1	2.5	1.0	.2	.0							9.7	4.8	4.0
(S) 170-190	3.8	3.8	3.5	1.0	.2	.0						12.4	8.0	8.0
200-220	2.2	1.7	1.2	.2	.2	.0	.0					5.5	7.2	6.0
230-250	2.5	2.1	.7	.2	.0							5.6	6.0	5.0
(W) 260-280	3.9	3.6	.9	.1	.1		.0					8.5	5.6	5.0
290-310	3.2	4.4	1.7	.4	.1							9.8	6.6	6.0
320-340	4.1	4.8	1.9	.4	.1	.0						11.4	6.6	6.0
VARIABLE	: 			•••••	· • • • • • •	•••••	••••	• • • • • •	•••••	•••••	• • • • • • • •	• • • • • • • •	· · · · · ·	• • • • • •
CALM	 ///////	//////	1111111	1111111	//////	1111111	//////	(11111)	(1)////	111111	///////	13.0	/////	111111
TOTALS	39.5	29.4	14.0	3.0	.9							100.0	5.4	5.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)	l	• • • • • • •	•••••	• • • • • • •	•••••	• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	*	MIND	WIND
(N) 350-010		• • • • • • •	•••••		*****	• • • • • • • •	•••••	• • • • • • • •	• • • • • • •			• • • • • • •	• • • • • •	•••••
020-040		6.7										6.7	7.0	7.0
050-070														
(E) 080-100														
110-130	6.7											6.7	2.0	2.0
140-160	6.7											6.7	1.0	1.0
(S) 170-190														
200-220			6.7									6.7	10.0	10.0
230-250			6.7									6.7	10.0	10.0
(W) 260-280	6.7											6.7	2.0	2.0
290-310	13.3	6.7	6.7									26.7	5.5	5.0
320-340	13.3											13.3	2.5	2.5
VARIABLE		•••••	•••••	• • • • • • •	•••••	• • • • • • •	•••••	• • • • • •	• • • • • •	• • • • • •		•••••	,	· · • • · · · ·
CALM	1111111	//////	//////	((((()))	//////	///////	/////	1:11111	//////	//////	///////	20.0	/////	//////
TOTALS	45.7	13.4	20.1									100.0	3.9	3.0

TOTAL NUMBER OF OBSERVATIONS 15

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HONTH: JUL HOURS: 00-02

•••••	• • • • • • • •		:	•••••	WIND S	PEED IN	KNOTS	• • • • • •		• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		25 ⋅ 29		35 - 39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN GNIW
(N) 350-010	1.1	1,7	.3	.2	• • • • • • •	******	• • • • • •	• • • • • •	•••••	• • • • • • •	•••••	3.2	6.3	6.0
020-040	2.3	1.8	1.2									5.4	6.3	5.0
050-070	7.2	1.2										8.4	3.1	3.0
(E) 080-100	10.1	1.4	.2									11.7	3.1	3.0
110-130	7.2	1.4	.2									8.8	3.3	3. C
140-160	10.6	3.7	.9									15.2	4.4	3.0
(S) 170-190	4.9	7.2	2.5	.3								14.9	ه.5	6.0
200-220	1.2	.3	.3									1.8	4.5	3.0
230-250	1.1	.2										1.2	2.9	2.0
(W) 260-280	۶.	.2										1.1	3.3	3.0
290-310	.9	.3										1.2	3.9	4.0
320-340	1.1	1.5	.5									3.1	5.8	5.0
VARIABLE		• • • • • •	•••••	•••••	•••••	•••••	•••••		•••••	• • • • • • •		• • • • • •	• • • • • • •	•••••
CALH	1111111	///////	1111111	1111111	///////	1/////	//////	///////	//////	///////	///////	24.0	/////	/////
TOTALS	48.6	20.9	6.1	.5								100.0	3.5	4.0
							- 1 - 1 - 1	154						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

TO UTC: + 7 MONTH: JUL HOURS: 03-05

		• • • • • • •	• • • • • •			SPEED IN		•••••		• • • • • •		• • • • • • • • •	•••••	• • • • • • •
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 6	5 TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1. i	.2	• • • • • •	• • • • • •	•••••	• • • • • • •	•••••	•••••	******	•••••	• • • • •	1.3	3.5	3.0
020-040	.7	.5										1.2	3.9	3.0
050-070	4:5	.5	.1									5.1	2.9	2.0
(E) 080-100	9.8	1.6	.1									11.5	3.1	3.0
110-130	10.2	1.8	.s									12.2	3.4	3.0
140-160	14.5	6.5	1.1									22.0	4.2	4.0
(S) 170-190	5.1	4.4	1.3									10.7	5.3	5.0
200-220	2.1	.4										2.5	3.1	3.0
230-250	2.0	.4										2.4	2.9	2.0
(W) 260-280	1.6	.2										1.9	2.8	2.0
290-310	.9	.4										1.3	3.5	4.0
320-340	2.2	.5										2.7	3.0	3.0
VARIABLE	<u>.</u> 	•••••		•••••	• • • • • •	•••••	•••••	• • • • • • •	• • • • • • •	••••••	• • • • •	•••••	• • • • • •	•••••
CÁLM	1111111	///////	//////	//////	//////	,,,,,,,,	//////	(11/1//	//////	//////	//////	// 25.3	/////	111111
TOTALS	54.7	17.4	8.5									100.0	2.8	3.0

TOTAL NUMBER OF OBSERVATIONS 850

c - 4 · 62

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGNAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUL HOURS: 06-08

		•		•,					/ William		11001	J. VO V	U	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED 18 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.0	.1	.1		•••••		•••••	• • • • • •	*******	•••••	•••••	1.3	3.5	2.0
020-040	1.6	.4	.1									2.1	3.4	2.0
050-070	2.4	.3										2.7	2.8	2.0
(E) 080-100	8.1	.8										8.9	2.7	2.0
110-130	8.9	1.9	.1									10.8	3.3	3.0
140-160	11.6	5.7	1.6	.1								19.0	4.6	4.0
(S) 170-190	7.0	5.4	3,1	.3	.1							15.9	6.1	5.0
200-220	2.2	.4	.1									2.7	3.4	2.5
230-250	3.3	.3										3.6	2.9	5.0
(W) 260-280	3.2	.5										3.7	3.0	3.0
290-310	1.8	.3										2.1	2.8	2.0
320-340	1.6	.3										2.0	2.9	2.0
VARIABLE	: 	·····	•••••		•••••	• • • • • • •	• • • • • •	• • • • • • •		•••••	····	• • • • • • •	• • • • • •	• • • • • • • • • • • • • • • • • • • •
CALM	1111111	//////	11/////	1111111	1/////	///////	//////	(//////	11/////	111111	///////	25.1	/////	111111
TOTALS	52.7	16.4	5.1	.4	. 1							100.0	3.1	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NAME: DUGMAY PROVING GROUNDS UT LST TO UTC: + 7 STATION NUMBER: 590110

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUL HOURS: 09-11

	•-		•										
1-4	5-9	10-14	15-19				35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MED I A Can i W
2.0	.7	-5	•••••	•••••	•••••	••••				• • • • • • •	2.8	4.0	3.0
1.0	.4	.3									1.7	5.3	3.5
1.0	۶.										1.2	3.6	3.0
1.2	.1										1.3	2.8	2.0
1,1	.3										1.5	3.5	3.0
2.6	3.6	3.0	.7	.1							10.0	7.9	7.0
4.0	8.7	9.2	2.2	.3							24.4	9.1	9.0
2.2	3.2	1.5	.2	.1							7.3	7.0	7.0
5.0	2.8	.1									7.9	4.2	4.0
7.6	4.4	.3									12.4	4.3	4.0
6.3	4.4	.4	.1								11.2	4.5	4.0
5.2	1.7	.2	.1								7.2	4.0	3.0
: !		• • • • • • •	· • • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • • •		•••••	•••••			
1111111	//////	///////	//////	//////	,,,,,,,,	/////	//////	//////	//////	///////	11.2	/////	1/////
39.2	30.5	15.2	3.3	.5							100.0	5.5	5.0
		T	TAL HU	MBER OF	OBSERVA	TIONS	1486						
	2.0 1.0 1.0 1.2 1.1 2.6 4.0 2.2 5.0 7.6 6.3 5.2	2.0 .7 1.0 .4 1.0 .2 1.2 .1 1.1 .3 2.6 3.6 4.0 8.7 2.2 3.2 5.0 2.8 7.6 4.4 6.3 4.4 5.2 1.7	2.0 .7 .2 1.0 .4 .3 1.0 .2 1.2 .1 1.1 .3 2.6 3.6 3.0 4.0 8.7 9.2 2.2 3.2 1.5 5.0 2.8 .1 7.6 4.4 .3 6.3 4.4 .4 5.2 1.7 .2	2.0 .7 .2 1.0 .4 .3 1.0 .2 1.2 .1 1.1 .3 2.6 3.6 3.0 .7 4.0 8.7 9.2 2.2 2.2 3.2 1.5 .2 5.0 2.8 .1 7.6 4.4 .3 6.3 4.4 .4 .1 5.2 1.7 .2 .1	1-4 5-9 10-14 15-19 20-24 2.0 .7 .2 1.0 .4 .3 1.0 .2 1.2 .1 1.1 .3 2.6 3.6 3.0 .7 .1 4.0 8.7 9.2 2.2 .3 2.2 3.2 1.5 .2 .1 5.0 2.8 .1 7.6 4.4 .3 6.3 4.4 .4 .1 5.2 1.7 .2 .1	1-4 5-9 10-14 15-19 20-24 25-29 2.0 .7 .2 1.0 .4 .3 1.0 .2 1.2 .1 1.1 .3 2.6 3.6 3.0 .7 .1 4.0 8.7 9.2 2.2 .3 2.2 3.2 1.5 .2 .1 5.0 2.8 .1 7.6 4.4 .3 6.3 4.4 .4 .1 5.2 1.7 .2 .1	2.0 .7 .2 1.0 .4 .3 1.0 .2 1.2 .1 1.1 .3 2.6 3.6 3.0 .7 .1 4.0 8.7 9.2 2.2 .3 2.2 3.2 1.5 .2 .1 5.0 2.8 .1 7.6 4.4 .3 6.3 4.4 .4 .1 5.2 1.7 .2 .1	1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 2.0 .7 .2 1.0 .4 .3 1.0 .2 1.1 .3 2.6 3.6 3.0 .7 .1 4.0 8.7 9.2 2.2 .3 2.2 3.2 1.5 .2 .1 5.0 2.8 .1 7.6 4.4 .3 6.3 4.4 .4 .1 5.2 1.7 .2 .1	1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 2.0 .7 .2 1.0 .4 .3 1.0 .2 1.1 .3 2.6 3.6 3.0 .7 .1 4.0 8.7 9.2 2.2 .3 2.2 3.2 1.5 .2 .1 5.0 2.8 .1 7.6 4.4 .3 6.3 4.4 .4 .1 5.2 1.7 .2 .1	1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 2.0 .7 .2 1.0 .4 .3 1.0 .2 1.2 .1 1.1 .3 2.6 3.6 3.0 .7 .1 4.0 8.7 9.2 2.2 .3 2.2 3.2 1.5 .2 .1 5.0 2.8 .1 7.6 4.4 .3 6.3 4.4 .4 .1 5.2 1.7 .2 .1	1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 2.0 .7 .2 1.0 .4 .3 1.0 .2 1.1 .3 2.6 3.6 3.0 .7 .1 4.0 8.7 9.2 2.2 .3 2.2 3.2 1.5 .2 .1 5.0 2.8 .1 7.6 4.4 .3 6.3 4.4 .4 .1 5.2 1.7 .2 .1	1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL X 2.0 .7 .2 2.8 1.0 .4 .3 1.7 1.0 .2 1.2 1.2 .1 1.3 1.1 .3 1.5 2.6 3.6 3.0 .7 .1 10.0 4.0 8.7 9.2 2.2 .3 24.4 2.2 3.2 1.5 .2 .1 7.3 5.0 2.8 .1 7.9 7.6 4.4 .3 12.4 6.3 4.4 .4 .1 11.2 5.2 1.7 .2 .1 7.2	1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN X WIND 2.0 .7 .2 2.8 4.0 1.0 .4 .3 1.7 5.3 1.0 .2 1.2 3.6 1.1 .3 2.8 1.1 .3 1.5 3.5 2.6 3.6 3.0 .7 .1 10.0 7.9 4.0 8.7 9.2 2.2 .3 24.4 9.1 2.2 3.2 1.5 .2 .1 7.3 7.0 5.0 2.8 .1 7.9 4.2 7.6 4.4 .3 12.4 4.3 6.3 4.4 .4 .1 11.2 4.5 5.2 1.7 .2 .1 7.2 4.0

C - 4 · 64

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NAME: DUGHAY PROVING GROUNDS UT LST TO UTC: + 7 STATION NUMBER: 690110 PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUL HOURS: 12-14 WINC SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 - 39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN UIND
(N) 350-010	2.3	1.5	•••••	•••••		• • • • • • • •	•••••			******	•••••	3.8	4.2	4.0
020-040	1.4	3.	.1									2.3	4.5	4.0
050-070	1.3	.6										1.9	4.3	4.0
(E) 080-100	.9	.6	.1									1.6	4.5	4.0
110-130	1.6	1.1	.3									3.0	5.4	4.0
140-160	1.6	3.0	1.2	.7								6.6	7.7	7.0
(\$) 170-190	3.0	5.6	5.1	1.3	.1							15.1	8.8	8.0
200-220	1.7	4.4	2.5	.4	-1							9.0	7.9	7.0
230 - 250	3.5	5.4	1,5	.3								10.7	6.3	5.0
(W) 260-280	5.2	8.8	1.1	.2								15.3	5.8	5.0
290-310	3.5	9.8	1.6	.4	.1							15.3	6.5	6.0
320-340	5.3	5.4	.6	.1	.1							11.5	5.4	5.0
VAR [ABLE	: 			•••••			• • • • • •			,	•••••	• • • • • •	• • • • • • •	•••••
CALM	1111111	111111	///////	//////	//////	//////	///////	1111111	///////	111111	//////	3.9	//////	/////
TOTALS	31.3	47.0	14.1	3.4	.4							100.0	6.3	5.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGLAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HONTH: JUL HOURS: 15-17

		La	1001	C. T /					PROJECT 1 P	1: JUL	nuux	9: 13-1	•	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-:9		SPEED IN 25-29	KNOTS 30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIA
(N) 350-010	2.5	2.5	.7	.1	.1	• • • • • • •	• • • • • • •	• • • • • • •		• • • • • •	• • • • • • • •	5.9	5.8	5.0
020-040	1.5	1.5	.6	.1	.2							3.8	7.2	6.0
050-070	1.1	1.0	.3	.1								2.5	6.0	6.0
E) 080-100	.8	.7	.7	.1								2.3	7.0	7.0
110-130	.7	1.6	1.1									3.4	7.3	6.0
140-160	1.9	2.6	1.8	.7								6.9	7.8	7.G
s) 170·190	.8	4.1	3.6	1.2	.4	.1						10.3	10.1	10.0
500-550	1.2	3.2	2.9	.7	.1	.1	.1					8.3	9.5	9.0
230-250	2.7	4.2	2.4	.4		.1						9.8	7.7	7.0
M) 260-580	3.8	6.9	1.6	.4	.3		.1					13.0	6.8	6.0
290-310	4.2	7.7	1.0	.6	.1							13.6	6.6	6.0
320-340	6.0	7.9	1.6	.4	.1							15.9	6.1	5.0
VARIABLE	;]	• • • • • •	• • • • • •		••••		• • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • • • •	•••••	· · · · · ·	• • • • •
CALN	1111111	//////	1111161	7//////	111111	11/1///	//////	//////	//////	((((()	1111111	4.2	111111	/////
TOTALE	27.2	43.9	18.3	4.8	1.3	.3	.2					100.0	7.1	7.0
			TC	TAL MUN	BER OF	OBSERVA	TIONS	1073						

C · 4 · 66

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUL HOURS: 18-20

		rs	וט טז זו	C: + /					MONTH	: JUL	HOUR	s: 18-20)	
DIRECTION (DEGREES)	1.4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN UIND	MED I AI
N) 350-010	3.0	4.2	2.0	.1	.1	•••••	•••••	• • • • • •	•••••	•••••		9.4	6.7	6.0
020-040	3.3	4.3	1.8	.5								9.9	6.7	7.0
050-070	3.3	1.7	.2									5.3	4.4	3.0
E) 080-100	1.8	1.7	.5	.2								4.2	5.9	5.0
110-130	2.0	1.4	.8	.1	.1							4.5	6.3	5.0
140-160	2.2	3.0	2.7	.5	.1							8.5	8.2	8.6
s) 170-190	1.4	4.9	4.2	1.1	.4	.1						12.1	9.5	9.0
200-220	1.2	2.0	1.9	.1	.1							5.4	8.3	9.0
230-250	1.7	1.9	1.1	.2	.2							5.1	7.5	7.0
w) 260-280	2.6	3.1	.7	.4	.2							7.0	6.7	5.0
290-310	3.5	2.3	.4									5.1	4.8	4.0
320-340	5.0	5. 3	1.9	.2	.1							12.5	6.1	5.0
VARIABLE				• • • • • •			• • • • • •	• • • • • •	•••••	• • • • • •		••••••	· • • • • •	•••••
CALM	1111111	(11/1/	1111111	111111	///////	11:111	111111	///////	11////	111111	///////	9.9	/////	111111
TOTALS	31.0	35.8	18.2	3.4	1.3	.1						100.0	6.3	6.0
			tc	TAL NUP	BER OF	OBSERVA	TIONS	837						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGLAY PROVING GROUNDS UT LST TO UTC: + 7 PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUL HOURS: 21-23

				v. · ·										
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35 - 39	40-49	50-64	GE 65	TOTAL	HEAN UIND	MEDIA WIND
(N) 350-010	2.2	1.7	1.5	.3	• • • • • • •	•••••	•••••		••••••	•••••	• • • • • • •	5.7	7.0	7.0
020-040	2.3	4.8	3.2	.9								11.2	8.4	8.0
050-070	10.0	4.1	.5									14.6	4.0	3.0
(E) 080-100	7.1	3.4	-6									11.1	4.2	3.5
110-130	4.6	2.3	.2									7,1	4.1	3.0
140-160	7.1	4.0	1.7	.5								13.2	5.7	4.0
(\$) 170-190	4.6	6.0	2.8	.3								13.7	6.6	6.0
200-220	.5	2.0	.5	.3								3.2	8.0	8.0
230-250	1.4	1-2										2.6	4.8	4.0
(W) 260-280	.9	.8										1.8	4.7	4.5
290-310	.6	.5	.3									1.4	6.3	7.0
320-340	.9	.6	1.2	.5								2.9	7.5	6.0
VARIABLE	· · · · · · · · · · · · · · · · · · ·	• • • • • •	•••••	• • • • • • •		•••••	•••••		• • • • • •		• • • • • • • • • • • • • • • • • • •	. • • • • •	• • • • • •	• • • • •
CALH	1111111	//////	//////	///////	1171111	///////	111111	(1)111	(/////	11/1///	////////	11.5	111111	//////
TOTALS	42.2	31.5	12.5	2.5								100.0	5.1	5.0
			T	OTAL NU	GER OF	OBSERVA	TIONS	651						

PERCENTAGE FREGUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUL HOURS: ALL

						<i>.</i>								
DIRECTION	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIA
(DEGREES)	ï	- · · · · · ·	•••••	• • • • · • •			•••••	• • • • • •	• • • • • •			x	WIND	WING
N) 350-010	1.9	1.4	.5	.1	.0		•••••	• • • • • •	• • • • • •		• • • • • • • • • • • • • • • • • • • •	3.9	5.5	5.0
020-040	1.6	1.4	.7	. 1	.0							3.9	6.4	6.0
050-070	3.1	1.0	.1	.0								4.1	3.8	3.0
E) 080-100	4.4	1.1	.2	.0								5.7	3.6	3.0
110-130	4.2	1.4	.3	.0	.0							6.0	4.1	3.0
140-160	6.0	4.0	1.8	.4	.0							12.3	5.8	5.0
s) 170-190	3.9	5.9	4.4	1.0	.2	.0						15.4	8.0	5.0
200-220	1.7	2.2	1.3	.2	.0	.0	.0					5.5	?.3	7.0
230-250	2.9	2.3	.7	.1	.0	.0						6.1	5.6	5.0
u) Zo0-280	3.8	3.6	.5	.1	.1		.0					8.2	5.3	5.0
290-310	3.1	3.8	.5	.1	٥.							7.6	5.6	5.0
320-340	3.7	3.0	.7	.1	.0							7.5	5.3	5.0
YARIABLE	·	• • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	•••••	•••••		• • • • • •	• • • • • •		• • • • • • •		• • • • • •	• • • • • • •
CALN	1111111	//////	1111111	//////	/////	1111111	1111111	//////	(11111)	1/////	1111111	13.8	/////	111111
TOTALS	40.3	31.1	11.7	2.2	.3							100.0	5.0	5.0
			TC	TAL NUM	SER OF	OBSERVA	TIONS	8427						

OPERATING LOC USAFETAC, ASH			PERCE	NTAGE	FREGUE				ice sui Iserva			DIRE	CTIO	N VER	isus 41	ND SPEE	ED .
STATION NUMBE	R: 690110		AM MOIT			PROVIN	G GR	SQMES	ut		PERIOD MONTH:				AY 60	- APR 9	X 0
***********		• • • • •	• • • • • •	••••	• • • • • •	• • • • •		• • • • •	•••••	• • • •	• • • • • •	• • • • •	••••	• • • • •	•••••	• • • • • •	•••••
CATEGORY A:				AND/O	R								-				
	VISIBILITY	GE 1/2	2 MILE	(0600	METER	S) BUT	LES	EART 8	3 MI	LES	(4800	METER	S) W	ITH C	EILING	GE 500	FEET.
		• • • • • •		••••	WIND	SPEED	IN I	KNOTS	••••	• • • •	• • • • • •	• • • • •	••••	• • • • •	••••	• • • • • •	• • • • • • •
DIRECTION	1-4	5.9															MEDIAN
(DEGRÉES)	•	• • • • • •													x	WIND	AIMD
(N) 350-010		• • • • • •		••••	••••	• • • • •	••••	• • • • •	•••••		• • • • • •	• • • • •	••••	• • • • •		• • • • • •	• • • • • • •
020-040																	
050-070																	
(E) 080-100																	
110-130																	
140-160																	
(5) 170-190	ļ																
200-220																	
230-250																	
(M) 560-580																	
290-310																	
320-340				33.3											33.3	15.0	15.0
VARIABLE		• • • • • •	•••••	••••	• • • • •	• • • • •	••••		••••	•••	• • • • • •	• • • • •	• • • •				• • • • • • •
CALM	111111111	/////	//////	/////	/////	,,,,,	1///	/////	11111	///	//////	/////	////	////	66.7	11111	//////
TOTALS				33.3											100.0	5.0	15.0
			101	AL MU	MBER O	F DBSE	RVAT	CMS	3								

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35 - 39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIA
350-010	2.0	1.8	1.5	•••••	.3	• • • • • • • •		• • • • • • •	•••••	******	•••••	5.7	7.5	7.0
020-040	2.2	.9	.6									3.7	5.1	4.0
050-070	8.0	1.7	.2									9.8	3.3	3.0
) 080-100	8.4	.8										9.2	2.7	2.0
110-130	6.9	.9										7.8	2.9	3.0
140 - 160	15.4	4.6	.5	.5								20.9	4.2	3.0
) 170-190	8.0	5.2	.9									14.1	4.7	4.0
200-220	1.1	.5	s.									1.7	4.8	4.0
230-250	.9	.9										1.8	5.3	5.0
) 260-280	1.2											1.2	2.4	2.0
290-310	1.1	.3										1.4	3.2	2.0
320-340	2.0	.9	.3									3.2	4.3	4.0
VARIABLE	: !				•••••	· · · · · · · · ·	• • • • • •	•••••	•••••	• • • • • •	• • • • • • •		• • • • • •	• • • • • •
CALM	1111111	//////	1111111	///////	//////	(11/1///	(1////	///////	11/1///	///////	1/1////	19.4	111111	7/1///
TOTALS	57.2	18.5	4.2	.5	.3							100.0	3.4	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 69011U STATION NAME: PUGMAY PROVING GROUNDS UT PERIOD OF RECORD: NAY 60 - APR 90 LST TO UTC: + 7 MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	1-4	5.9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN ONIW
(N) 350-010	1.3	.6	.4			•••••	• • • • • •	• • • • • • •	• • • • • • •	****		2.2	4.5	3.0
020-040	.9	.1	.1									1.2	3.5	2.5
050-070	5.1	.2										5.3	2.3	2.0
(E) 080·100	11.2	.7			.1							12.0	2.7	2.0
119-130	9.3	1.3										10.6	2.8	2.0
140-160	16.4	4.0	1.2	.1								21.7	3.8	3.0
(S) 170-190	5.4	4.4	.8	.z								10.8	5.4	4.5
200-220	1.3	.2										1.5	3.2	3.0
230-250	1.6	.4										2.0	3.1	2.0
(W) 260-280	1.1	.1										1.2	2.6	2.0
290-310	.5	.4			.1							.9	6.3	3.5
320-340	1.6	.5	.1									2.2	3.6	3.0
VARIABLE	: 	· • • • • •	•••••		• • • • • •	•••••	• • • • • •	· · · · · · · ·		•••••	• • • • • •	• • • • • •		
CALH	1111111	(/////	///////	///////	1111111	1111111	//////	11////	///////	111111	///////	28.3	111111	111111
TOTALS	55.7	12.9	2.6	.3	.2							100.0	2.6	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSEVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

		LS	it to ut	'C: + 7					MONTH	1: AUG	HOUR	s: 06-0	8	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	.4	.1	•••••	• • • • • • •	•••••	• • • • • • •	•••••	•••••	******	•••••	* • • • • •	.5	2.7	2.0
020-040	1.3											1.3	2.4	2.0
050-070	5.4	.3										5.8	2.4	2.0
(E) 080-100	11.4	1.2										12.5	2.8	3.0
110-130	13.6	1.8										15.4	3.0	3.0
140-160	12.5	4.4	1.2	.2								18.3	4.2	3.0
(S) 170-190	5.0	4.1	2.0	.4	.1							11.6	6.2	6.0
200-220	1.6	.4	.1									2.1	3.3	2.0
230-250	2.1	.6	· .1									2.8	3.7	3.0
(W) 260-280	1.9	.5										2.4	3.1	2.5
290-310	1.1	.1	.1		.1							1.4	4.1	2.0
320-340	1.7	.5	.1	.1								2.3	3.7	2.5
VARIABLE	! !	•••••	•••••	•••••	•••••	•••••	•••••	•••••		•••••	••••••	•••••	• • • • • •	•••••
CALM	///////	//////	//////	//////	//////	///////	///////	///////	//////	///////	///////	23.7	/////	//////
TOTALS	58.0	14.0	3.6	.7	.2							100.0	2.9	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HOMTH: AUG HOURS: 09-11

******	• • • • • • • •	•••••	•••••	• • • • • • •	WIND 8	PEED IN	KNOTS		• • • • • • •	•••••	•••••	• • • • • • •		• • • • • • •
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25 - 29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.5	.5	• • • • • • •	• • • • • •	• • • • • •	•••••			• • • • • • •	•••••	• • • • • • •	2.1	3.4	3.0
020-040	.9	.5	.1									1,4	4.2	3.0
050-070	.7	.3										1.0	3.5	3.0
(E) 080-100	1.3	.3		.1								1.6	3.5	3.0
110-130	1.9	.3	.1									2.3	3.5	3.0
140-160	3.0	3.7	1.4	.4	.2		.1					8.8	7.4	6.5
(S) 170-190	5.2	7.3	9.4	2.5	.3							24.7	8.9	9.0
200-220	3.5	3.1	۰,9									7.5	5.3	5.0
230-250	4.7	1.4	.2									6.4	3.9	3.0
(W) 260-280	8.8	3.4	.3									12.5	3.8	3.0
290-310	6.8	4.3	.1									11.1	4.1	4.0
320-340	4.5	1.2	.2	.1								6.0	3.8	3.0
VARIABLE	<u> </u>	• • • • • •	•••••		•••••	• • • • • •	• • • • • • •		• • • • • • •	• • • • • •	• • • • • • •	•••••	• • • • •	•••••
CALM	1111111	//////	///////	11/1///	11////	///////	11/////	111111	11111111	#####	///////	14.5	/////	//////
TOTALS	42.8	26.3	12.7	3.1	.5		.1					100.0	5.0	4.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: \pm 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: AUG HOURS: 12-14

				•					170111		noom	J. 12 1	•	
DIRECTION (DEGREES)	1-4	5-9		15-19		PEED IN		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAI WIND
N) 350-010	1.9	.8	.2		.1	•••••	• • • • • •	•••••		******		2 9	4.4	3.0
020-040	1,3	.4	.1		.1							1.8	4.2	3.0
050-070	.5	.6	.1									1.1	4.8	5.0
E) 080-100	.8	.3										1.1	3.6	4.0
110-130	1.3	.5										1.8	4.0	4.0
140-160	2.9	3.0	1.6	.6	.1							8.2	7.1	6.0
s) 170-190	2.9	6.2	3.2	2,0	.4	.1	.4					15.2	9.3	8.0
200-220	2.9	3.2	2.0	.1	.1							8.4	7.0	6.0
230-250	3.4	4.0	2.1	.1	.1							9.7	6.4	5.5
N) 260-280	6.2	8.3	1.6									15.2	5.6	5.0
290-310	7.0	8.6	2.0	.2								17.9	5.9	5.0
320-340	5.7	4.8	,7	.1			.1					11.4	5.1	4.0
VARIABLE	:	•••••	• • • • • • •	• • • • • •		• • • • • •	• • • • • •	••••		• • • • • •		• • • • • • •	· • • • • •	••••
CALM	11111111	11////	//////	1111111	//////	1111111	//////	//////	//////	1111111	1111111	4.4	/////	111111
TOTALS	36.8	40.7	13.6	3.1	.9	.1	.5					100.0	6.1	5.0
			TQ	TAL NUN	SER OF	OBSERVA	2MQ1T	1428						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 S

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

TO UTC: + 7	MONTH: AUG	HOURS:	15-1

	• • • • • • • •	• • • • • •	• • • • • •	• • • • • •	WIND S	PEED IN	KNOTS			• • • • • •		• • • • • • •	• • • • • •	•••••
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.6	2.9	.2	• • • • • •	•••••	• • • • • • •	•••••	• • • • • •	••••	• • • • • •	• • • • • • •	4.7	5.3	5.0
020-040	1.3	1,1	.6									3.0	5.9	5.0
050-070	1.2	.6	.3	.1								2.1	5.3	4.0
(E) 080·100	1.1	.9	.4									2.4	5.6	5.0
110-130	.7	.8	.2									1.8	6.0	6.0
140-160	1.8	1.8	1.5	.4	.2							5.6	7.9	6.5
(8) 170-190	1.1	3.6	2.2	1.5	.7	.3	.3					9.7	11.5	10.0
200-220	.7	3.4	2.3	.6	.2							7.3	9.0	9.0
230-250	2.5	4.9	1.4	.5	.1							9.4	7.1	7.0
(W) 260-280	5.3	6.6	1.4	.1	.1							13.5	5.8	5.0
290-310	4.9	10.ን	3.1	.5	.1							19.4	6.7	6.0
320-340	5.9	7.8	2.9	.5	.1							17.1	6.4	5.0
VARIABLE		• • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	••••	•••••	•••••	• • • • • •			• • • • • • •		· · · · · · ·	• • • • • •
CALM	1111111	//////	///////	///////	111111		111111	(11111	///////	(//////	1111111	4.1	/////	111111
TOTALS	28.1	45.3	16.5	4.2	1.5	.3	.3					100.0	6.8	6.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGMAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MA/ 60 - APR 90 MONTH: AUG HOURS: 18-20

		La	10 01	C: + 1					HUN 1 F	1: AUG	HUUK	2: 10.50	,	
DIRECTION (DEGREES)	1-4	5.9	10-14	15 - 19		PEED IN 25-29		35 - 39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAI WIND
N) 350-010	4.0	3.8	2.7	.2	٠	••••••	• • • • • •	•••••	•••••		• • • • • • •	11.0	7.0	6.0
020-040	3.0	3.6	1.7	.2	.1							8.6	6.6	6.0
050-070	4.0	1.5	.2									5.7	4.0	3.0
E) 080·100	2.1	1.1	.7									4.0	5.4	4.0
110-130	1.4	.7	.5									2.6	5.3	4.0
140-160	1.9	4.2	2.2	.1	.6	,1						9.1	8.7	8.0
s) 170-190	1.4	4.0	3.1	1.0	.6	.2						10.2	10.4	9.0
200-220	.6	1.4	2.0	.4	.1							4.4	9.9	10.0
230-250	2.0	2.1	.5	.2								4.8	6.3	6.0
4) 260-280	2.8	2.2	1.1	.1	.1							6.4	5.9	5.0
290-310	4.4	2.5	.1	,1	.1							7.3	4.8	4.0
320-340	5.7	4.9	.9	.4								11.9	5.4	5.0
VARIABLE	:	• • • • •		•••••	• • • • • •	•••••	• • • • • •			• • • • • • •		• • • • • • •	· • · • • • •	•
LALM	1111111	//////	///////	//////	11/1//	///////	//////	1111111	11/////	//////	///////	14.0	/////	111111
TOTALS	33.3	32.0	15.7	2.7	1.8	.3						100.0	5.9	5.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	810						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: CUGNAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HOURS: 21-23

	• • • • • • • •	• • • • • •	• • • • • •		WIND S	PEED IN	KNOTS	•••••	• • • • • •	•••••	•••••	• • • • • • •	• • • • • •	•••••
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN	HED TAN QNJ W
(N) 350-010	2.9	2.5	2.5	.3	• • • • • •	• • • • • • •	• • • • • •	•••••	• • • • • • •	•••••	• • • • • •	8.1	7.3	0.6
020-040	2.8	3.1	1.5	.6								8.0	7.4	7.0
050-070	10.0	2.8	.5									13.2	3.7	3.0
(E) 080-100	7.5	1.4										8.9	3.2	3.0
110-130	6.5	1.8	.2									8.4	3.8	4.0
140-160	9.7	5.7	1.2									1 6. 6	4.6	4.0
(S) 170-190	4.1	5.8	1.8	.5	.5	.2						12.9	7.1	6.0
200-220	.3	1.5	1.4									3.2	8.7	9.0
230-250	s.	1.2		.3								1.7	7.6	6.0
(W) 260-280	.8	.6	.2									1.5	4.9	4.5
290-310	.5	.3	.2									٠,9	5.8	6.0
320-340	1.2	1.7	.6									3.5	6.6	6.0
VARIABLE	: 	• • • • • •	• • • • • •	•••••	•••••		•••••	· • • • • • •	. 	• • • • • • •		• • • • • • •	• • • • • •	• • • • • • • •
CALM	1111111	///////	//////	7111111	//////	,,,,,,,	//////	///////	//////	(1/////	///////	12.9	/////	111111
TOTALS	46.5	28.4	10.1	1.7	.5	.2						100.0	4.7	4.0

TOTAL NUMBER OF OBSERVATIONS 651

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGHAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: AUG HOURS - ALL

		rs	T TO U	tc: + 7					MOHT	M: AUG	HOU	RS: ALL		
DIRECTION	1-4	5-9	10-4	15-19			% KNOTS 30-34		40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)	i	•••••	•••••	• • • • • • •		• • • • • • •			•••••	• • • • • • •	• • • • • • •	*	WIND	GKIN
(N) 350-010	1.8	1.4	.7	.0	. 1		• • • • • • •	•••••	• • • • • •	• • • • • •	• • • • • • •	3.9	5.9	5.0
020-040	1,5	۰.	.4	.1	.0)						3.0	5.7	4.0
050-070	3.6	.8	.1	.0								4.5	3.4	3.0
E) 080-100	5,1	.8	.1	.0	.0)						6.0	3.2	3.0
110-130	5.1	1.0	.1									6.2	3.3	3.0
140-160	7.2	3.8	1.4	.3	.1	٠. ١	٥. د	ı				12.8	5.4	4.0
s) 170-190	4.1	5.2	3.4	1.2	.3	.1	.1					14.4	8.2	7.0
200-220	1.8	1.9	1.1	.1	.1	}						5.0	6.8	6.0
230-250	2.5	2.1	.6	, 1	.0)						5.4	5.7	5.0
w) 260-280	4.1	3.2	.6	.0	.0)						8.0	4.9	4.0
290-310	3.8	3.9	.8	.1	.0)						8.7	5.6	5.0
320-340	3.8	2.8	.7	.1	.0)	.6	ı				7.5	5.3	4.0
VARIABLE	·············		• • • • •		• • • • • •	• • • • • • •		• • • • •	• • • • • • •	• • • • • • •	• • • • • • •		, ,	
CALM	11111111	(1////	11/11/	//////	//////	(((()))	((())	/////	///////	(1/////	1111111	/ 14.7	11111	///////
TOTALS	44.4	27.8	10.0	2.0	.6	.1	1 .1					100.0	4.7	4.0
			Ţ	OTAL NU	MBER OF	F OBSER	/ATIONS	8435						

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PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGLAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AMO/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET

DIRECTION	1 1:4	5-9	10-14	15-19			N KNOYS 30-34	35-39	40-49	50-64	GE 65	TOTAL	HEAN	MEDIA
(DEGREES)	1	• • • • • •	•••••	• • • • • •	• • • • • •	• • • • • •	•••••	• • • • • • •	•••••	•••••	•••••	*	WIND	HIND
(N) 350-010		20.0	• • • • • • •	•••••	•••••	•••••		******	•••••	• • • • • • •	•••••	20.0	8.0	8.0
020-040														
050-070	20.0											20.0	2.0	2.0
(E) 080-100														
110-130														
140-160														
(S) 170-190														
200-220														
230-250	20.0											20.0	2.0	2.0
(4) 260-280	1													
290-310														
320-340				20.0								20.0	16.0	16.0
VARIABLE	·	• • • • • •	•••••	* * * * * *	• • • • • • •	• • • • •	• • • • • • •	•	•••••	•••••	•••••		• • • • • •	• • • • • •
CALM	1111111	,,,,,,	///////	//////	1111111	//////	///////	111111	//////	///////	1111111	20.0	111111	111111
TOTALS	40.0	20.0		20.0								100.0	5.6	5.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGHAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90

		LS	זע סז ז	C: + 7					MONTH	: SEP	HOUR	s: 00-0	2	
DIRECTION (DEGREES)	1-4	5.9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.3	1.7	.6	2	.2	• • • • • • •				• • • • • •	•••••	4.0	7.7	6.0
020-040	1.6	.6		.3								2.5	5.2	3.5
050-070	6.5	.8	.2									7.5	3.0	3.0
(E) 080-100	10.2	.3	.2									10.6	2.6	2.0
110-130	8.7	.6										9.4	2.8	2.0
140-160	18.3	5.2	.8	.3								24.6	3.8	3.0
(\$) 170-190	4.8	4.4	2.4									11.6	6.2	6.0
200-220	1.4	.2										1.6	2.5	2.0
230-250	1.9	.2	.2									2.2	3.3	2.0
(W) 260-280	1.1	.2										1.3	2.8	3.0
290-310	.6	.3										1.0	3.5	3.0
320-340	2.2	3.0	.2									5.4	5.0	5.0
VARIABLE		• • • • • •	• • • • • •	•••••	•••••	• • • • • • •	• , • • • •	• • • • • • •	•••••	•••••		•••••		• • • • • • •
CALM	1111111	//////	///////	//////	11////	///////	//////	(11/1/1	//////	///////	11/////	18.4	/////	11/1//
TOTALS	58.6	17.5	4.6	.8	.2							100.0	3.3	3.0
			TO	TAL NUM	BER OF	OBŞERVA	TIONS	630						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGMAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: SEP HOURS: 03-05

		ſZ	וט פו דו	C: + /					PION I F	I: SEP	HOUR	S: 03·0	>	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN	MED1AI ONTW
(N) 350-010	1.1	.9	.1	•••••	•••••		• • • • • •	• • • • • •	• • • • • •	•••••	• • • • • • •	2.1	4.6	4.0
020-040	1.4	.2	.2									1.8	3.9	3.0
050-070	4.1	.2										4.3	2.6	2.0
(E) 080-100	12.2	.4										12.5	2.4	5.0
110-130	12.9	1.7										14.6	3.0	3.0
140-160	13.4	4.8	.2	.1								18.6	3.7	3.0
(S) 170-190	3.4	2.9	1.6	.6	.1							8.7	6.7	6.0
200-220	2.7	.2										2.9	2.9	3.0
230-250	2.0	.5										2.5	3.1	2.5
(W) 260-280	1.0	.1										1.1	3.2	3.0
290-310	1.2	.2	.2									1.7	4.3	3.0
320-340	1.2	.7	.5									2.5	4.8	4.5
VARIABLE	<u> </u>	• • • • •	• • • • • •	•••••			•••••	•••••	• • • • • •		• • • • • •	•••••	• • • • • •	,
CALM	1111111	/////	(/////	(/////	111111	///////	/////	//////	//////	//////	///////	26.7	/////	111111
TOTALS	56.6	12.8	8.5	.7	.1							100.0	2.7	3.0
			T	OTAL MUI	MBER OF	OBSERVA	TIONS	814						

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PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT FERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 HOURS: 06-08

				••••							•	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	WIND SPEED IN KNOTS 20-24 25-29 30-34	35 - 39	40-49	50-64	GE 65	TOTAL	MEAN UIND	MEDIAI WIND
(N) 350-010	.9	.4	.2	.1	• • • • • • • • • • • • • • • • • • • •	•••••	••••••	******	•••••	1.5	5.0	4.0
020-040	1.5	.1	1	.1						1.9	3.9	2,0
050-070	4.1	.2			.1					4.4	2.7	2,0
(E) 080-100	12.1	1.0								13.2	2.8	3.0
110-130	16.1	1.7	.1							17.8	2.8	2.5
140-160	12.4	4.5	.4	.1						17.4	3.9	3.0
(S) 170-190	3.9	2.8	1.6	.4						8.6	6.1	5.5
200-220	.8	.1	.1							1.1	4.8	3.0
230-250	1.7	۶.	.1		.1					2.2	4.5	3.0
(W) 260-280	1.0	.4								1.4	3.0	3.0
290-310	1.3	.6	.1							2.0	4.4	4.0
320-340	1.2	.3	.6	.1						2.2	6.3	4.0
VARIABLE	· 			·	•••••		• • • • • •	• • • • • • •	• • • • • • • •		• • • • • •	•••••
CALH	///////	(/////	(1)////	1111111	mannani.	(11111)	((((())	(/////	//////	26.4	//////	11111
TOTALS	57.0	12.3	3.3	.5	.1 .1					100.0	2.7	3.0
			TO	TAL NUM	BER OF OBSERVATIONS	1391						

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PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	YIND \$1 20-24	PEED 1N 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN UIND	MEDIAN WIND
(N) 350-010	1.9	.9	.6	.1	• • • • • •	••••	•••••	•••••	• • • • • •	• • • • • •	•••••	3.6	5.8	3.5
020-040	.9	.3	.6									1,7	6.4	4.0
050-070	1.0	.1										1,1	2.8	2.0
(E) 080-100	1.2	۶.										1.4	2.6	2.5
110-130	2.2	.6	.1									2.9	3.6	3.0
140-160	3.2	3.3	2.4	.2	.1							9.2	7.0	6.5
(S) 170-190	2.9	6.7	6.9	2.2	.3							19.0	9.3	9.0
200-220	3.3	1.9	.4	.1								5.7	5.0	4.0
230-250	4.5	1.3	.1									6.0	3.6	3 0
(W) 260-280	7.6	2.5	.4	.1								10.6	3.7	3.0
290-310	7.8	3.6	.4	.1	.1		, 1					12.2	4.7	4.0
320-340	5.5	1.5	1.0	.5	.2							8.8	5.4	3.0
VARIABLE	i	• • • • • •		•••••	• • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • •	•••••	• • • • • •	•••••	•••••			•••••
CALM	,,,,,,,	/////	1111111	//////	,,,,,,,	//////	//////	,,,,,,,	//////	11/1///	///////	17.8	//////	//////
TOTALS	42.0	22.9	12.9	3.3	.7		.1					100.0	4.8	4.0
			to	TAL MUM	BER OF	OBSERVA	TIONS	1392						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

TOTALS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

100.0 6.5 6.0

	*****		L8	וט טו	C: + /					MONT	1: SEP	HOUR	s: 12-14	•	
	DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED 1N 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN UIND	MEDIAN VIND
(N)	350-010	1.4	1.2	.8	.1	•••••	•••••		•••••	•••••	• • • • • • •	• • • • • • •	3.5	6.5	5.0
	020-040	.5	.5	.2									1.3	5.5	5.0
	050-070	.7	.2	.1									1.0	4.1	4.0
(E)	080-100	.9	.2	.1									1.2	3.8	4.0
	110-130	1.0	.5	.1									1.6	4.6	4.0
	140-160	1.0	1.9	2.0	.8	.2							5.9	9.5	10.0
(\$)	170-190	1.6	5.2	5.3	1.7	.2							13.9	9.5	10.0
	200-220	2.0	3.2	2.4	.3								8.0	7.6	7.5
	230-250	4.0	3.7	.9	.2								8.7	5.5	5.0
(W)	260-280	6.0	8.1	1.7		.1							15.9	5.7	5.0
	290-310	8.0	10.3	2.9	.2	.3	.1	.1					21.9	6.3	5.0
	320-340	5.3	5.4	1.5	.4	.2							12.8	6.0	5.0
•••	/ARIABLE	,,,,,,	 ,,,,,,,	 ,,,,,,,	 ,,,,,,,,	 ,,,,,,,,			•••••				4.6		
		1								,,,,			-10		

TOTAL NUMBER OF OBSERVATIONS 1333

32.4 40.4 18.0 3.7 1.0 .1 .1

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION HUMBER: 690110 STATION NAME: DUGMAY PR

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: SEP HOURS: 15-17

		LJ										•• •• ••	,	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED 1N 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	HEDIAN
(W) 350-010	1.5	2.3	1.1	•••••	• • • • • • •		• • • • • •	•••••	• • • • • • •		• • • • • • •	4.8	6.5	6.0
020-040	.8	1.0	.7		.1							2.6	7.6	8.0
050-070	.8	.7	.3									1.8	5.3	5.0
(E) 080-100	1.2	.3										1.5	3.5	2.0
110-130	.9	.4	.5									1.8	6.4	4.5
140-160	1.3	1.3	1.8	.5	.2	.2						5.2	9.5	10.0
(\$) 170-190	3.0	4.5	3.1	1.0	.5		.2					12.2	8.9	8.0
200-220	1.5	2.3	1.6	.5	.1							5.9	8.5	8.0
230-250	2.5	3.5	1.6	.2								7.7	6.7	6.0
(W) 260·280	4.9	7.0	1.5		.1							13.5	5.9	5.0
290-310	6.9	8.7	3,1	.9	.1							19.6	6.5	6.0
320-340	6.6	6.4	2.3	.7	.1							16.1	6.1	5.0
VARIABLE	<u> </u>	•••••	•••••	•••••	•••••	•••••	•••••	• • • • • •			• • • • • • •	•••••		
CALM	minn	//////	///////	1111111	111111	///////	(11111)	//////	1111111	//////	///////	7.2	/////	////#
TOTALS	31.9	38.4	17.6	3.8	1.2	.2	s.					100.0	6.4	6.0
			7	STAL ME	ARFR OF	CRSERV	ATIONS	1013						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION HAME

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 HONTH: SEP HOURS: 18-20

												•••••		
DIRECTION (DEGREES)	1-4	5.9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIA
N) 350-010	4.2	5.0	1.3	.5	.1		• • • • • •	• • • • • •	•••••	• • • • • • •	******	11.2	6.4	5.0
020-040	3.5	3.7	1.9		.1							9.2	6.4	6.0
050 - 070	4.5	1.3	.3									6.0	3.8	3.0
E) 080-100	3.7	.5	.3									4.5	3.3	3.0
110-130	2.3	1.3	.8									4.4	5.4	4.0
140-160	4.0	3.1	1.5									8.6	5.9	5.0
s) 170-190	2.2	3.8	2.3	.4	.4							9.1	8.0	8.0
200-220	1.2	1.0	1.7	.1								4.0	7.9	۹.0
230-250	1.5	1.2	.1	.1								2.9	5.9	4.0
) 260-2 8 0	2.3	.9	.4									3.6	4.4	3.5
290-310	3.3	1.7	.4									5.4	4.4	4.0
320-340	7.7	2.6	1.0	.3								11.5	4.7	3.5
VARIABLE	: 	• • • • • •	• • • • • • •		••••	• • • • • • •	•••••			• • • • • • •	• • • • • • • •	•••••	••••	• • • • •
CALM	11111111	/////	1111111	1111111	//////	,,,,,,,,	//////	1111111	///////	//////	11/////	19.6	11111	/////
TOTALS	40.4	26.1	12.0	1.4	.6							100.0	4.6	4.0
			to	TAL NUR	BER OF	OBSERVA	TIONS	780						

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PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: SEP HOURS: 21-23

************		• • • • • •	• • • • • • •	• • • • • •	WIND S	PEED IN	KNOTS	•••••	•••••	•••••	• • • • • •	• • • • • • •	• • • • • •	• • • • • •
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MED I AN
(N) 350-010	1.4	1.9	.6	.3	s	•••••	• • • • • •		•••••	••••••	•••••	4.4	7.4	6.5
020-040	2.1	1.4	1.0	.2	.2							4.8	6.8	5.0
050-070	6.8	1.6	.2									8.6	3.3	3.0
(E) 080-100	9.4	1.3	.3									11.0	3.2	3.0
110-130	6.2	.3										6.5	2.4	2.0
140-160	17.3	6.2	1.1									24.6	4.0	3.0
(S) 170-190	4.9	4.9	1.6	.2	.s							11.7	6.0	5.0
200-220	.3	.5	.2									1.0	7.0	6.0
230-250	.8	.3	.2									1,3	4.4	2.0
(W) 260-280	1.0	.5										1.4	4.3	4.0
290-310	.8	.6										1.4	4.0	3.0
320-340	1.0	1.4	.2	.2								2.7	6.6	6.0
VARIABLE	: 		- • • • • •			•••••	• • • • •	• • • • • • •		•••••		• • • • • • •		
CALM	,,,,,,,	(/////	,,,,,,	//////	///////	///////	/////	(/////	1111111	///////	1111111	20.6	/////	311111
TOTALS	52.0	20.9	5.4	.9	.6							100.0	3.6	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HOWNTH: SEP HOURS: ALL

••••••	• • • • • • • •	•••••	• • • • • •	• • • • • • •	WIND S	SPEED IN	KNOTS	• • • • • •		•••••	• • • • • • • •	•••••		• • • • • • •
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)		•••••	• • • • • • •			• • • • • •	******	•••••			•••••	*	WIND	MIND
(N) 350-010	1.7	1.6	.6	.1	.0	• • • • • • •	•••••	• • • • • •		•••••	•••••	4.0	6.3	5.0
020-040	1.4	.8	.5	.1	.0							2.8	6.0	5.0
050-070	3.0	.5	.1				.0					3.6	3.2	3.0
(E) 080-100	5.8	.5	.1									6.4	2.8	2.0
110-130	6.2	.9	.2									7.3	3.2	3.0
140-160	7.6	3.5	1.4	.3	.1	.0						12.9	5.1	4.0
(\$) 170-190	3.1	4.5	3.5	1.0	.2		.0					12.3	8.1	8.0
200-220	1.8	1.4	.9	.2	.0							4.2	6.5	5.0
230-250	2.6	1.5	.4	.1		.0						4.7	5.0	4.0
(W) 260·280	3.6	2.9	.6	.0	.0							7.1	5.0	4.0
290-310	4.4	3.8	1.0	.2	.1	.0	.0					9.5	5.7	5.0
320-340	4.0	2.7	1.0	.3	.1							8.1	5.7	5.0
VARIABLE	: 	• • • • • •				• • • • • •		• • • • • •	• • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • •	•••••
CALM	1111111	//////	(//////	111111	//////	//////	//////	//////	(1/1///	//////	(//////	17.1	11111	//////
TOTALS	45.2	24.6	10.3	2.3	.5							100.0	4.5	4.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND CRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

•••••	•••••	• • • • • •	••••••	•••••	WIND S	SPEED IN	KNOTS	•••••		• • • • • •	• • • • • •	• • • • • • •		• • • • • • •
DIRECTION	1-4	5-9	10-14	15-19	20-24	25 - 29	30-34	35-39	40-49	50-64	GE 65	TOTAL	KEAN	MEDIAN
(DEGREES)			•••••	•••••	******		• • • • • •	•••••			•••••	*	WIND	WIND
(N) 350-010		25.0			•••••			•••••	•••••	• • • • • •	• • • • • •	25.0	6.3	5.0
020-040	8.3											8.3	3.0	3.0
050-070														
(E) 080·100														
110-130														
140-160														
(S) 170-190		8.3										8.3	5.0	5.0
200-220		8.3										8.3	8.0	8.0
230-250		8.3										8.3	7.0	7.0
(W) 260-280		8.3										8.3	8.0	8.0
290-310	8.3											8.3	3.0	3.0
320-340		8.3	16.7									25.0	9.3	10.0
VARIABLE	 		•••••	• • • • • •		• • • • • • • •	•••••	•••••	•••••	• • • • • •	• • • • • •	• • • • • • • •		• • • • • • •
CALM	1111111	111111	//////	///////	11/1/1/	///////	//////	(111111)	//////	//////	///////	.0	/////	//////
TOTALS	16.6	66.5	16.7									100.0	6.8	7.5

TOTAL NUMBER OF OBSERVATIONS 12

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7 PERIOD OF RECORD: MAY 60 - APR 90 HONTH: OCT HOURS: CO-02 STATION NUMBER: 690110

				••									-	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	HED1A
(N) 35C-010	9	.8	1.1	.3	.3	••••••	· · · · · · ·	••••••	••••••	*****		3.5	10.0	10.0
020-040	.3	.9	5	.2								2.0	9.1	9.0
050-070	2.9	.3	.2									3.4	3.2	3.0
E) 080-100	8.0	1.1	.2									9.2	3.0	3.0
110-130	9.8	.2										10.0	2.4	2.0
140-160	17.5	3.4	.5									21.4	3.3	3.0
s) 170·190	4.6	3.4	1.5	.5	.2							10.1	6.1	5.0
200-220	1.5	.2	.2									1.8	3.6	2.0
230-250	1.8	.2	.2									2.2	3.2	2.5
w) 260-280	1.1	.2										1.2	2.4	2.0
290-310	1.1	.3										1.4	3.9	3.0
320-340	.9	1.1	.3	.3								2.6	7.6	8.0
VARIABLE	 !		••••							•••••	• • • • •		• • • • • • •	
CALM	1111111	111111	,,,,,,,	1111111	1111111	11111111	((()))	///////	///////	///////	11111	7/ 31.2	111111	/////
TOTALS	50.4	12.1	4.7	1.6	.5							100.0	2.9	3.0
			70	TAL NUM	RER OF	OBSERVAT	T LOWS	651						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 69011C STATION NAME: DUGMAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)							1						
	1-4	5-9	10-14	15-19	WIND SPEED 11 20-24 25-29		35 - 39	40-49	50-64	GE 65	TOTAL	MEAN WINC	MED I A
N) 350-010	.9	.2	.6	.2	.1	• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •	2.1	8.3	8.0
020-040	.9	.4	.1	.;							1.5	5.7	2.5
050-070	2.4	.2									2.7	2.6	2.5
E) 080-100	9.0	.5									9.5	2.6	2.5
110-130	13,7	.9	.1								14.7	2.6	2.0
140-160	18.7	2.7	.5	.2							22.1	3.3	3.0
s) 170-190	4.0	3.6	1.6	.2	.2						9.7	6.4	6.0
200-550	1.7	.1	.4	.2							2.4	5.2	3.5
230-250	2.2	.1									2.3	2.7	2.0
W) 260-280	1.6	.9	.2								2.7	4.4	3.5
290-310	1.0	.6	.2								1.8	5.5	4.0
320-340	.9	1.1	.7								2.7	6.4	5.5
VARIABLE	i	• • • • • •		• • • • • •		• • • • • •	•••••	• • • • • • •	• • • • • •	.	•••••	- • • • • • •	•••••
CALM	1111111	//////	1111111	(//////	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	//////	,,,,,,,	1/////	//////	///////	25.9	111111	111111
TOTALS	57.0	11.3	4.4	.9	.3						100.0	2.9	3.0
			10	TAL NU	BER OF OBSERV	ATIONS	823						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: OCT HOURS: 06-08

WIND SPEED IN KNOTS
DIRECTION | 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN (DEGREES)

					2 CHIW	PEED IN	KNOTS							
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		25-29		35 · 39	40-49	50-64	GE 65	TOTAL %	MEAN UIND	MED I AN
(N) 350-010	1.2	.5	.5	.1	.1		•••••		•••••	•••••		2.3	6.9	4.5
020-040	1.6	.5	.3	.1								2.5	5.1	3.0
050-070	3.5	.2										3.7	2.7	2.0
(E) 080-100	7.8	.7										8.5	2.7	3.0
110-130	17.0	1.6	.1									18.7	2.8	3.0
140-160	15.5	3.1	1.1		.1							19.8	3.7	3.0
(S) 170-190	4.7	2.1	2.0	.3	.1							9.2	6.2	4.0
200-220	1.4	.5	.2	.1								2.2	4.3	3.0
230-250	1.9	.3										2.2	2.9	3.0
(W) 260-280	1.4	.5	1.1									1.9	3.8	3.0
290 - 310	1.2	.9	.1	.1								2.2	4.9	4.0
320-340	.9.	1.8	,4	.1	.1							3.2	6.8	6.0
VARIABLE	! !	·				••••	• • • • • •		• • • • • • •	• • • • • •	•••••	••••	• • • • • •	
CALM	11111111	/////	1111111	111111	//////	///////	111111	///////	111111	(1)1111	///////	23.6	/////	1/////
TOTALS	58.1	12.7	4.8	.8	.4							100.0	3.0	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION MAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 HOURS: 09-11

• • • • • • • • • • • • •	• • • • • • • •	• • • • •	•••••	• • • • • •	WIND S	PEED IN	KNOTS	• • • • • •	•••••			• • • • • •	• • • • • •	•••••
DIRECTION (DEGREES)	1-4	5.9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL X	MEAN WIND	MEDIAN WIND
(N) 350-010	2.4	.6	.6	.2	.2	•••••	1		• • • • • •		• • • • • • •	4.1	6.6	4.0
020-040	.8	.6	.7	.4	.1							2.0	8.8	9.0
050-070	1.5	.3					•					1.8	2.9	2.0
(E) 080-100	1.7	.1										1.9	2.7	3.0
110-136	3.6	.8	.1									4.4	3.0	2.5
140-160	5.1	2.7	1.4	.4	.1							9.7	5.7	4.0
(S) 170-190	4.1	4.0	4.8	1.7	.4							15.0	8.7	9.0
200-220	2.7	.7	.5		.1							4.0	5.0	3.0
230 - 250	4.8	.8	.1									5.7	3.2	3.0
(W) 260-280	6.1	2.8	.2									9.1	3.8	3.5
290-310	5.7	2.8	.4	.1	.1							9.1	4.5	4.0
320-340	5.8	1.4	1.8	.6	.1	.1	.1					9.7	6.1	4.0
VARIABLE	! !	•••••	•••••	• • • • • • •	• • • • • •		• • • • • • •					• • • • • • •	· • • • • • •	
CALM	11111111	//////	///////	//////	//////	1111111	//////	//////	1111111	111111	1111111	22.8	/////	1!1111
TOTALS	44.3	17.6	10.6	3.4	1.1	.1	.2					100.0	4.3	4.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION HUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: OCT HOURS: 12-14

												••••	•	
DIRECTION (DEGREES)	1.4	5-9	10-14	15-19		PEED 18 25-29		35 - 39	40-49	50-64	GE 65	TOTAL	MEAN GNIH	MEDIA DI ND
N) 35C-010	2,4	1.3	1.9	.9		******		•••••	• • • • • • •	•••••	• • • • • • •	6.5	7.9	7.0
020-040	.6	.9	.9	.4	.3							3.0	9.9	10.0
050-070	.7	.1	.1	.1								1.0	4.6	3.5
E) 080-100	.3	.1										.4	4.7	3.5
110-130	1.1	.3										1.4	3.6	3.0
140-160	1.2	1.3	1.1	.1	.2	,1						4.0	8.3	6.5
s) 170-190	1.7	4.2	6.5	1.6	.9	.2	.1					15.1	10.8	10.0
200-220	1.5	2.3	1.0	.2	.1							5.1	7.2	6.0
230-250	2.8	1.9	.3		.1							5.1	5.0	4.0
H) 260-280	7.0	5.3	1.2	.2								13.7	5.1	4.0
290-310	10.3	8.6	1.6	.4	.2							21.0	5.4	5.0
320-340	7.1	5.7	2.2	1.0	.3	.3						16.6	6.7	5.0
VARIABLE	: !	•••••		•••••	•••••					•••••	• • • • • • •	• • • • • •		• • • • •
CALM	1111111	,,,,,,	1111111	1111111	//////	2111111	111111	///////	///////	11/1///	1111111	7.0	111111	11/1//
TOTALS	36.7	32.0	16.8	4.9	2.1	.6	.1					100.0	6.5	5.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HONTH: OCT HOURS: 15-17

	· • • • • • • • • • • • • • • • • • • •	•••••	• • • • • •	• • • • • •	UIND S	PEED IN	KNOTS	••••	• • • • • • •	• • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • • •
DIRECTION (DEGREES)	1-4	5-9	10-14	15 - 19		25-29		35-9	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEGIAN WIND
(N) 350-010	2.0	2.7	2.8	.6	.5	•••••	· · · · · ·	•••••	• • • • • • •			8.5	8.9	9.0
020-040	.9	1.4	1.6	.6	.1							4.6	9.2	9.0
050-070	.7	1.3	.4	.1	.1							2.6	7.4	6.0
(E) 080-100	.8	.3	.1									1.2	4.3	3.0
110-130	1.0	.1	.1									1.2	3.2	2.0
140 - 160	1.4	1.6	.8	.1	. 1							4.0	7.1	6.0
(S) 170-190	2.0	6.2	3.2	1.5	.4	.3						13.5	9.4	8.0
200-220	1.2	1.8	1.0	.5	.3							4.7	8.6	8.0
230-250	1.6	1.1	.3	.1								3.1	4.9	4.0
(W) 260-280	4.1	3.8	.6	.2	.1							8.7	5.3	5.0
290-310	10.1	8.0	2.1	.7	.2							21.1	5.6	5.0
320-340	7.5	6.0	2.6	.7	۶.							17.1	6.1	5.0
VARIABLE	: 		• • • • • • •	• • • • • • •	•••••						• • • • • • •		• • • • • •	• • • • • • • •
CALM	1111111	//////	111111	///////	//////	11/1////	//////	/////	///////	(111111	///////	/ 9.7	/////	//////
TOTALS	33.3	34.3	15.6	5.1	2.0	.3						100.0	6.3	6.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: OCT HOURS: 18-20

DIRECTION		5-9	10-14	15.10		D IN KNOTS	35-39	40-49	50-64	 GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)		,	10 10	.5 .,	20 24 2	, 27 30 34	33-37	40-47	JU-04	GE 03	X	CMIN	CHIM
(N) 350-010	3.1	3.0	1.5	٠			• • • • • • •	•••••	• • • • • •	•••••	7.7	6.4	6.0
020-040	2.8	3.3	3.0	.7							9.8	7.7	7.0
050 - 070	3.8	1.6	.4	.1	.1						6.0	4.9	4.0
(E) 080-100	4.2	.4									4.6	3.0	3.0
110-130	4.2	.5	.1								4.8	3.1	2.0
140-160	9.0	2.1	.9								11.9	4.0	3.0
(S) 170-190	4.1	3.4	1.6	.5	.4						10.0	6.9	5.0
200-220	.9	1.1	.1	.1	.1						2.3	6.6	5.0
230-250	.9	.1	.1								1.1	3.8	2.0
(W) 260-280	3.0	.2	_1								3.3	3.1	3.0
290-310	3.6	.5		.1	.1						4.3	3.7	2.0
320-340	4.9	2.0	.5		.1						7.5	4.4	3.0
VARIABLE	 			• • • • • •	••••				•••••			• • • • • •	
			,,,,,,,			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,				24.4	,,,,,,	
CALM		,,,,,,		,,,,,,,	,,,,,,,,,,	111111111111	11/1///	1111111	//////	1111111			111111
TOTALS	44.5	18.2	8.3	1.7	.8						100.0	3.8	4.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

VARIABLE

51.0 13.1

7.1

1.0

CALM

STATION NAME: DUGHAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: OCT HOURS: 21-23

100.0

3.1

LST TO UTC: + 7

WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION TOTAL MEAN HEDIAN (DEGREES) × HIND WIND .2 .3 4,5 (N) 350-010 1.7 .2 9.1 9.0 8. 1.7 4.5 .9 020-040 .3 1.1 .3 9.2 2.6 10.0 050-070 3.1 .2 .2 3.5 3.0 (E) 080-100 6.0 .3 2.6 6.3 2.0 7.7 110-130 .5 8.1 2.5 2.0 140-160 15.5 2.9 19.0 3.4 3.0 .6 (S) 170-190 9.8 3.1 2.2 15.1 4.7 3.5 2.9 200-220 1.8 .5 .6 5.2 4.0 230-250 2.5 .5 2.9 2.7 2.0 (W) 260-280 .8 .2 .9 3.3 3.0 .9 ٤. 1.1 4.0 3.0 290-310 320-340 1.8 2.3 .5 5.1 6.6 5.0

TOTAL NUMBER OF OBSERVATIONS 651

.z

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: NAY 60 - APR 90 NONTH: OCT HOURS: ALL

DIRECTION	1-4	5-9	10-14	15-19	WIND 1	PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN	HED I AN
(DEGREES)	······	• • • • • •	••••••	•••••	•••••	••••••	•••••	•••••				*	VIND	VIND
(N) 350-010	1.8	1.3	1.3	4	2	•••••	····	• • • • • •	•••••		•••••	4.9	7.8	7.0
020-040	1.0	1.0	1.0	.4	.1							3.5	8.2	8.0
050-070	2.2	.5	.1	.0	.0							2.9	3.9	3.0
(E) 080-100	4.2	.4	.0									4.6	2.8	3.0
110-130	7.1	.7	.1									7.8	2.8	2.0
140-160	9.3	2.4	1.0	.1	.1	.0						12.9	4.2	3.0
(S) 170-190	4.0.	3.8	3.3	.9	.3	.1	.0					12.4	8.0	8.0
200-220	1.6	1.0	.5	.1	.1							3.4	6.2	5.0
230-250	2.5	.7	.1	.0	.0				•			3.4	3.8	3.0
(W) 260-280	3.6	2.1	.4	.1	.0							6.1	4.5	4.0
290-310	4.8	3.3	.7	.2	.1							9.0	5.2	4.0
320-340	4.1	2.9	1.3	.4	.1	.1	.0					8.9	6.3	5.0
VARIABLE	: 	•••••	• • • • • •	•••••	•••••	•••••	•••••		******	•••••	•••••	•••••	• • • • • •	******
CALM	///////	//////	//////	//////	//////	///////	//////	,,,,,,,	///////	,,,,,,	,,,,,,,	20.3	/////	,,,,,,
TOTALS	46.2	20.1	9.8	2.6	1.0	.2						100.0	4.3	4.0
			TO	TAL NUM	BER OF	OBSERVA"	TIONS	8307			•			

C - 4 - 99

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGMAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90

LST TO UTC: + 7

MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS). AND/OR
VISIBILITY GE 1/2 MILE (9800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	1 1-4	5.0	10.16	15.10		PEED IN 25-29		35.70	40.49	50-44	CE	46	TOTAL	MEAN	MEDIAN
						23-64								MEAN	MEDIAN
(DEGREES)	1												*	WIND	MIND
(N) 350-010	2.9		2.9			•••••			•••••	• • • • • •	••••	. .	5.7	8.0	8.0
020-040	2.9	2.9											5.7	5.0	5.0
050-070															
(E) 080-100															
110-130	2.9												2.9	1.0	1.0
140-160		2.9	2.9										5.7	8.5	8.5
(S) 170-190			5.7	2.9		2.9							11,4	15.5	13.5
200-220	2.9												2.9	4.0	4.0
230-250	2.9												2.9	2.0	2.0
(W) 260-280	5.7	8.6		2.9									17.1	6.8	5.0
290-310	5.7	8.5		2.9									17.1	7.5	6.0
320-340	5.7	5.7	8.6	2.9									22.9	9.5	9.5
VARIABLE	·	• • • • • •	•••••	•••••	• • • • • •	· • • • • • •	••••	· • • • • • •	• • • • • •		• • • •	• • • •	• • • • • •	· • • • • •	• • • • • • •
CALM	1111111	()////	///////	111111	(1)1111	1111111	/////	(111111	1111111	111111	////	////	5.7	/////	111111
TOTALS	31.6	28.7	20.1	11.6		2.9							100.0	7.8	7.0

TOTAL NUMBER OF OBSERVATIONS 35

C - 4 - 100

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FAOM HOURLY OBSERVATIONS

STATION MARIBER: 670110 STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: NOV HOURS: 00-02

		rz	1 10 01	C: + 7					MONTH	I: NOV	HOUR	s: 00-0	2	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35 - 39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN UIND
(N) 350-010	1.6	1.3	.2	.2	•••••	• • • • • • • •		•••••	******	• • • • • •	• • • • • • •	3.2	5.4	4.5
020-040	.3	.3	.3									1.0	6.8	5.5
050-070	4.6		.2									4.8	2.5	2.0
(E) 080-100	10.8	۵.										11.4	2.4	2.0
110-130	8.6	.5								•		9.0	2.6	2.0
140-160	11.7	3.8	1.3	.6								17.5	4.5	3.0
(S) 170-190	5.4	4.8	2.9	.3	.2							13.5	6.3	6.0
200-220	.2	1.0	.3									1.4	7.4	8.0
230-250	.3	.3										1,1	3.3	3.0
(W) 260·280	1.3	.6		.2								2.1	4.3	3.0
290-310	1.0	.6										1.6	3.9	3.0
320-340	1.4	1.4	.6	.2								3.7	6.2	5.0
VARIABLE	!	• • • • • •	•••••	•••••	•••••	•••••	• • • • • •	•••••		· · · • • • • ·	••••••	• • • • • • • • • • • • • • • • • • • •		•••••
CALM	11111111	//////	//////	//////	//////	////////	//////	1111111	111111	111111	1111111	29.8	/////	111111
TOTALS	47.7	15.2	5.8	1.5	.2							100.0	3.0	3.0
			TO	TAL NUM	BER OF	DBSERVA	TIONS	630						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: NOV HOURS: 03-05

DIRECTION	1-4	5.9	10-14	15-19	WIND S 20-24	PEED IN 25-29	KNOTS 30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)	 .											*	MIND	WIND
(N) 350-010	.7	.3	.3	,1								1.4	6.4	5.0
020-040	.1	. خ	.1									.8	7.3	7.0
050-070	3.5	.8										4.4	3.0	2.0
(E) 080-100	9.9	1.3										11.1	2.7	2.0
110-130	9.6	.7										10.3	2.5	2.0
140-160	13.1	4.7	1.0	.4								19.2	4.1	3.0
(\$) 170-190	3.5	5.1	2.3	.3								11.1	6.9	7.0
200-220	.6	.7	.8									2.1	8.2	8.0
230-250	1.4	.4	-1									2.0	3.8	3.5
(H) 260-230	1.4	.6	.3									2.3	4.6	3.0
290-310	.6	.3										.8	3.5	3.0
320-340	1.7	2.1	.8		.1		.1					4.9	7.5	7.0
VARIABLE	! !	• • • • • •		• • • • • • •	•••••		• • • • • •	•••••	• • • • • • •	•••••	•••••		• • • • • •	
CALM	11111111	//////	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	!!!!!!	1111111	1111111	//////	///////	'''''	7/////	,,,,,,,	29.5	//////	111111
TOTALS	46.1	17.6	5.7	.8	.1		.1					100.0	3.1	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUSWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

T TO UTC: + 7	MONTH: NOV	HOURS: 06-08
1 10 010. 1 7	month, not	MOUKS: UG-U

DIRECTION (DEGREES)	1-4	5-9	10-14	15 · 19		SPEED IN		35-39	40-49	50-64	GE 65	TOTAL	MEAN UIND	MEDIAN WIND
(N) 350-010	1.4	.3	.3	• • • • • •	•••••	• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	•••••	•••••	2.0	4.4	3 .0
020-040	1.7	.4	.2									2.2	3.5	3.0
050-070	3.9	.4										4.3	2.7	2.0
(E) 080-100	7.9	.5										8.4	2.5	2.0
110-130	12.9	1.0										13.9	2.6	2.0
140-160	13.6	3.6	1.2	.5								19.0	4.2	3.0
(S) 170-190	5.7	3.9	2.6	.4	.2	.1						12.8	6.3	6.0
200-220	1.5	1.1	.5	.2								3.2	6.0	5.0
230-250	1.4	. 1	.2									1.6	3.6	3.0
(W) 260·280	1.6	.7										2.3	3.7	3.0
290-310	1.1	.7	.3									2.0	4.7	4.0
320-340	1.7	1.5	1.3	.2	.1							4.8	7.3	6.0
VARIABLE	 		• • • • • • •	• • • • • • •	• • • • • •		•••••			• • • • • • •	•••••	• • • • • • •		
CALM	11111111	111111	//////	1111111	//////	////////	//////	1111111	1111111	11!1111	1111111	23.6	/////	111111
TOTALS	54.4	14.2	6.6	1.3	.3	.1						100.0	3.2	3.0
			TO	TAL NUN	BER OF	OBSERVA	TIONS	1324						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NURBE	R: 690110		ATION N T TO UT	AME: DU C: + 7	GWAY PR	OVING G	ROUNDS	UT	PER 10			MAY 60 S: 09-1		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49		GE 65	TOTAL	MEAN WIND	MEDIA WIND
(N) 350-010	2.0	1.0	.3	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • •	•••••	3.3	4.5	3.0
020-640	.6	.8	.1	.1	.1							1.7	6.8	7.0
050-070	2.4	.2	.1									2.7	2.8	2.0
(E) 080-100	4.8	.7										5.5	2.6	2.0
119-130	5.8	1.3	.1									7.2	2.0	2.0
140-160	8.0	4.0	.9	.8	.1							13.8	5.3	4.0
(\$) 170-1 - 0	4.4	5.8	3.6	1.2	.1	.1	.1					15.3	7.9	8.0
200-220	3.1	1.0	.7	.1								4.9	4.8	3.0
230-250	3.2	.7	.1									4.0	3.0	2.5
(W) 260-280	3.5	1.2										4.7	3.3	3.0
290-310	4.4	1.7	.7	.1	.1							7.0	5.0	3.0
320-340	2.5	2.3	.4	.4	.1							5.8	6.4	5.0
VARIABLE	: 			******	•••••	• • • • • •	•••••	•••••		•••••	• • • • • • •	· • • • • •		• • • • • • •
CALM	11/11/11	111111	//////	<i>111111</i>	///////	11/1///	//////	//////	///////	//////	(111111)	24.1	/////	11/1//
TOTALS	44.7	20.7	7.0	2.7	.5	.1	.1					100.0	3.9	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGMAY PROVING GROUNDS UTLEST TO UTC: \pm 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: NOV HOURS: 12-14

				**								•• •• •	•	
DIRECTION (DEGREES)	1-4	5- 9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MED I AN
(N) 350-010	2.0	1.3	1.1	•••••	• • • • • •	• • • • • • •	••••	• • • • • • •		• • • • • •	• • • • • • •	4.4	5.8	5.0
020-040	1.1	.8	.3									2.1	5.1	4.5
050-070	.8	.4	.4									1.6	5.5	4.0
(E) 080-100	1.4	.1		.1								1.6	3.5	3.0
110-130	1.5	۶.	.1									1.8	3.4	3.0
140-160	3.4	2.6	1.7	.5	.5							8.6	7.7	6.0
(S) 170-190	2.4	5.9	6.4	2.0	.2		.1					17.0	9.5	10.0
200-220	2.0	3.0	1.6	.6	.1	.1	.1					7.4	8.1	7.0
230-250	3.3	1.2	.4	.2								5.0	4.9	4.0
(W) 260-280	6.5	3.8	.4									10.6	4.3	4.0
290-310	9,4	4.4	1.4	.4	.1	.1						15.6	4.9	4.0
320-340	6.8	4.2	1.9	1.1		.1						14.0	6.1	5.0
VARIABLE	 !	•••••	•••••		•••••			• • • • • • •		• • • • • • •	•••••		• • • • • •	• • • • • •
CALM	1111111	//////	///////	1111111	//////	////////	11/1///	//////	(111111	111111	///////	10.4	/////	//////
TOTALS	40.6	27.9	15.7	4.9	.9	.3	.2					100.0	5.8	5.0
			TO	ITAL MUN	MER OF	OBSERVA	TIONS	1332						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: NOV HOURS: 15-17

						PEED IN								
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 - 39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIA WIND
350-010	1.8	1.4	1.6	.1	• • • • • • •	.1	•••••	•••••	•••••	******	•••••	5.0	7.1	6.0
020-040	. ب	1.6	.6	.1								3.2	7.0	7.0
050-070	2.2	.9	.4	.1								3.6	5.2	4.0
2) 080-100	1.4	.1										1.5	2.5	2.0
110-130	1.4	.4										1.8	3.2	3.0
140-160	3.1	2.8	2.0	.5	.3							8.6	7.4	7.0
s) 170-190	4.1	5.1	4.4	1.3	.1							15.0	8.0	8.0
200-220	1.1	2.5	1.3	.5	.2							5.6	8.5	8.0
230-250	2.3	1.2	.2									3.7	4.2	3.0
1) 260-280	5.9	2.3	.3	.2								8.7	4.3	4.0
290-310	8.9	5.1	1.0	.2	.1							15.3	4.6	4.0
320-340	7.7	4.0	1.8	.5								14.0	5.3	4.0
VARIFBLE	 	• • • • •	••••••	• • • • • •	•••••	· · · · · · ·	• • • • • •	• • • • • •	•••••	• • • • • • •		• • • • • •	· · • • • • •	• • • • •
CALM	11111111	//////	///////	///////	//////	1111111	//////	//////	1//////	///////	///////	14.0	//////	/////
TOTALS	40.8	27.4	13.6	3.5	.7	.1						100.0	5.2	5.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION HAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 HONTH: NOV HOURS: 18-20

**********	• • • • • • • • • • • • • • • • • • •	-	• • • • • •	• • • • • •	WIND SPE			• • • • • •	• • • • • •	• • • • • •	••••••	•••••	• • • • • •	•••••
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24 2	5-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN UIND	MEDIAN WIND
(N) 350-010	2.2	2.6	1.4	1	••••••	• • • • • •	•••••	• • • • • • •	• • • • • •	•••••	•••••	6.3	6.4	6.0
020-040	2.6	1.8	.6	.3								5.3	5.6	5.0
050-070	3.7	.8	.3									4.8	3.6	2.0
(E) 080-100	6.2	.3										6.4	2.7	2.0
110-130	7.1	.3										7.3	2.7	2.0
140-160	9.9	3.7	1.8	.5								16.0	4.9	3.0
(\$) 170-190	5.1	6.4	1.2	.1								12.9	5.5	5.0
200-220	1.0	1.2	.3	.4								2.8	7.3	7.5
230-250	1.9	.4										2.3	3.1	2.5
(W) 260-280	2.4	.3										2.7	2.4	2.0
290-310	2.1	.6										2.7	3.4	2.0
320-340	2.6	1,7	.6	.1								5.0	5.3	4.0
VARIABLE	: 		• • • • • •	• • • • • •	• • • • • • • • • • • • • • • • • • • •		•••••	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • •	
CALM	1111111	111111	,,,,,,,	!!!!!!	/////////	/////	//////	///////	//////	//////	1111111	25.5	111111	/////
TOTALS	46.8	20.1	6.2	1.5								100.0	3.4	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION HUNBER: 690110 STATION NAME: DUGNAY PROVING GROUNDS UT PERIOD OF RECORD: NAY 60 - APR 90 HOURS: 21-23

	• • • • • • •	•••••	• • • • • •	• • • • • •	WIND SP	EED IN	KNOTS		•••••	• • • • • •	••••	••••	• • • • • •	•••••	• • • • • •
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 1	65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.1	2.1	• • • • • • •	•••••	• • • • • • • •	• • • • • • •				•••••	••••	• • • •	3.2	4.8	5.0
020-040	.3	1.0	1.0	.2									2.4	8.3	9.0
050-070	3.7	.2											3.8	2.6	3.0
(E) 080-100	7.8												7.8	2.3	2.0
110-130	8.1	1.1	.3										9.5	3.1	2.0
140-160	14.9	4.6	1.7	.6									21.9	4.5	3.0
(S) 170·190	5.9	7.1	.8	.3									14.1	5.5	6.0
200-220	.6	1.1	.2		.2								2.1	6.8	6.0
230-250	1.1	.6	.2										1.9	4.3	3.0
(W) 260-280	2.9	.6											3.5	3.2	2.0
290-310	1.0	.6		.3									1.9	5.7	4.5
320-340	1.7	1.9	.6										4.3	6.1	5.0
VARIABLE]	• • • • • •	• • • • • •	•••••		• • • • • • •	. 	•••••	• • • • • • •	•••••	· · · · ·	••••	• • • • • •		•••••
CALM	///////	//////	111111	111111	,,,,,,,,	///////	//////	//////	(11111)	//////	11111	///	23.7	//////	111111
TOTALS	49.1	20.9	4.8	1.4	.2								100.0	3.4	3.0

C - 4 - 108

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGHAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: NOV HOLES: ALL

		LS	זט מז די	C: + 7					HONTH	: NOV	HOUS	S: ALL		
DIRECTION	1-4	5-9	10-14	15-19		PEED 1N 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIA
(DEGREES)		• • • • • •			•••••	• • • • • • •	•••••		• • • • • • •		• • • • • •	*	MIND	UIND
(N) 350-010	1.7	1.2	.7	.1	•••••	.0	•••••	•••••	• • • • • • •	• • • • • •	• • • • • • •	3.6	5.7	5.0
020-040	1.0	.9	.4	-1	.0							دَ.2	5.9	5.0
050-070	2.9	.5	.2	.0								3.5	3.4	2.0
(E) 080-100	5.6	.4		.0								6.0	2.6	2.0
110-130	6.5	.7	.1									7.3	2.8	2.0
140-160	9.0	3.6	1.4	.6	.2							14.7	5.1	3.0
(\$) 170-190	4.4	5.4	3.4	.9	.1	.0	.0					14.3	7.4	7.0
200-220	1.5	1.5	.8.	.3	.1	.0	.0					4.2	7.1	7.0
230-250	2.1	.7	.2	.0								3.0	3.9	3.0
(W) 260-280	3.5	1.5	.1	.0								5.1	3.9	3.0
290-310	4.2	2.0	.5	.1	.0	.0						6.9	4.7	4.0
320-340	3.6	2.5	1.1	.4	.1	.0	.0		•			7.7	6.1	5.0
VARIASLE	: 		•••••		•••••	• • • • • • •	•••••	•••••	• • • • • •	••••		•••••	• • • • • •	• • • • • •
CALM	1111111	//////	111111	//////	//////	1111111	111111	//////	(111111)	//////	111111	21.4	/////	111111
TOTALS	46.0	20.9	8.9	2.5	.5							100.0	4.0	4.0
			TO	TAL NUN	BER OF	OBSERVA	TIONS	7822						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGLAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 20G BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

*	• • • • • • •	•••••	•••••	• • • • • •	WIND SPEED			•••••	• • • • • • •	• • • • • • • •	• • • • • •		•••••
DIRECTION	1-4	5.9	10-14	15-19	20-24 25-24	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)				.,							*	MIND	MIND
(N) 350-010	3.9	1.0	1.0	• • • • • •		• • • • • • • •	• • • • • • •	•••••	•••••		5.9	4.3	3.0
020-040	1,0	2.0									2.9	3.7	5.0
050-070	2.0										2.0	2.0	2.0
(E) 080-100	3.9										3.9	2.0	2.0
110-130	4.9										4.9	1.6	2.0
140-160	11.8	1.0									12.7	2.2	2.0
(S) 170-190	5.9		1.0								6.9	3.0	2.0
200-220		1.0									1.0	5.0	5.0
230-250	3.9	2.9	1.0								7.8	5.9	5.5
(W) 260-280	2.0	11.8	1.0								14.7	6.2	6.0
290-310	2.9	2.0	2.0	1.0							7.8	8.0	7.0
320-340	2.0	5.9	3.9	2.9	1.0						15.7	10.0	9.0
VARIABLE	! !	• • • • • •		• • • • • • •	• • • • • • • • • • • • •	• • • • • • •	•••••	• • • • • • •		· · · · · · · · ·		· • • • • • •	· • • • • • • •
CALM	1111111	//////	(1/1///	//////	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,	//////	(11/1//	//////	(1111111	13.7	/////	(/////
TOTALS	44.2	27.6	9.9	3.9	1.0						100.0	4.7	4.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HONTH: DEC HOURS: 00-02

									7,000				•	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35 - 39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAI WIND
(N) 350-010	.9	.3	.2	•••••	• • • • • •	• • • • • • • •	•••••	•••••	• • • • • • •		• • • • • • •	1.4	3.7	2.0
020-040	8.	.5										1.2	4.8	4.0
050-070	3.1											3.1	2.3	2.0
(E) 080-100	6.0	.2										6.1	2.1	2.0
110-130	7.8	.5										8.3	2.6	2.0
140-160	16.0	1.8	.8	.2								18.7	3.4	3.0
(s) 170-190	4.5	3.7	2.8	1.2								12.1	7.2	7.0
200-220	1.5	.2										1.7	2.3	2.0
230-250	1.7	.2										1.8	2.4	2.0
W) 260-280	2.5	.6	.2									3.2	3.4	3.0
290-310	1.7	.5										2.2	2.7	2.0
320-340	2.2	1.1										3.2	3.8	4.0
VARIABLE		•••••	• • • • • • •	• • • • • •	• • • • •			• • • • • •	• • • • • • •	• • • • • •	••••	•••••	· · • · • •	•••••
CALM	11111111	111111	///////	//////	11/1//	///////	//////	1111111	///////	///////	///////	36.9	/////	/////
TOTALS	48.7	9.6	4.0	1.4								100.0	2.4	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

ST TO UTC: + 7	MONTH: DEC	HOURS: 03-05

DIRECTION (DEGREES)	1-4	5-9	10 - 14	15-19		25-29	KNOTS 30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN
N) 350-010	1.0	.4	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	•••••		•••••		•••••	1.4	3.2	3.5
020-040	1.0	.1	.4									1,5	5.2	3.0
050-070	4.1	.1										4.2	2.4	2.0
E) 080-100	7.8	.1										7.9	2.3	2.0
110-130	8.7	.4										9.1	2.6	2.0
140-160	11.7	2.6	.3	.5								15.1	4.0	3.0
s) 170-190	3.0	3.1	2.2	1.0		.1						9.4	7.8	7.0
200-220	1.8		.3		.1							2.2	5.4	4.0
230-250	3.8	.8	.1									4.8	3.3	3.0
⊔) 260-280	2.3	.5										2.9	2.8	2.0
290-310	1.1	.3										1.4	3.7	3.0
320-340	1.6	1.5	.1									3.3	4.4	4.5
VARIABLE		•••••		• • • • • •		•••••		*****	• • • • • • •	• • • • • •		• • • • •	 .	• • • • • •
CALH	11111111	/////	///////	//////	//////	1111111	111111	1111111	///////	//////	///////	37.0	/////	//////
TOTALS	47.9	9.9	3.4	1.5	.1	.1						130.0	2.5	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: DEC HOURS: 06-08 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 YOTAL MEAN MEDIAN DIRECTION (DEGREES) × WIND MIND (N) 350-010 1.8 .8 .3 2.8 3.0 020-040 1.0 .1 1.5 4.3 3.0 050-070 4.2 .1 .1 . 2 4.5 3.0 2.0 (E) 080-100 7.6 .5 **8** 1 2.5 2.0 110-130 11.9 1.4 .1 13.4 9.5 3.0 140-160 10.7 2.9 .2 14.5 .6 3.8 3.0 (S) 170-190 4.9 2.6 2.1 .4 ٠2 10.2 6.5 5.0 200-220 2.0 .4 .5 .4 . 2 3.4 6.6 3.0 230-250 2.2 .3 2.7 3.4 .1 .1 2.0 (W) 260-280 .5 2.3 .1 2.8 3.2 2.0 290-310 .3 2.9 1.2 .: . 1 4.7 4.9 3.0 320-340 ۶. 3.9 3.0 VARIABLE CALH 54.4 12.2 4.3 100.0 2.9 2.JATCT 1.7 .5 3.0 .1

TOTAL NUMBER OF OBSERVATIONS 1303

C - 4 - 113

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: BUGWAY PROVING GROUNDS UT LST TO UTC: + 7 PERIOD OF RECORD: MAY 60 - APR 90

		LS	T TO UT	C: + 7					MONTH	I: DEC	HOUR	S: 09-1	1	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.3	.9	.4	.1	.1	* * * * * * * *	• • • • • •	******	•••••	•••••	• • • • • • •	2.9	6.6	5.0
020-040	1.6	.3	.1	.1								2.2	3.8	3.0
050-070	3.1	.1		.2								3.4	3.3	2.0
(E) 080-100	5.0	.7										5.8	2.9	3.0
110-130	8.2	1.2	.1									9.6	2.9	3.0
140-160	9.4	2.8	1.0	.2	.1							13.5	4.3	3.0
(S) 170-190	6.5	2.4	1.5	1.0	.4	.1						11.9	6.4	4.0
200-220	2.5	.7	.7	.4	,1	.1						4.5	6.7	4.0
230-250	3.1	.4	.4									3.9	3.6	2.0
(M) Seo-580	3.4	.6	.1	.1								4.2	3.2	2.5
290-310	3.7	1.3	.2		.3							5.5	4,7	3.0
320-340	3.5	1.5	.4		.1							5.6	4.7	3.0
VARIABLE	· · · · · · · · · · · · · · · · · · ·	• • • • • •					•••••	•••••		•••••	•••••	• • • • • • •		
CALM	1111111	//////	7//////	1111111	1111111	///////	//////	1111111	///////	///////	111111	27.2	/////	111111
TOTALS	51.3	12.9	4.9	2.1	1.1	.2						100.0	3.3	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE L'IND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION HUMBER: 690110 STATION NAME: DUG

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: DEC HOURS: 12-14

1-4	5-9	10-14	15-19				35-39	40-49	50-64	GE 65	TOTAL X	MEAN WIND	MEDIA WIND
1.5	1.0	.8.	.2	.1		· • • • • •	• • • • • • • •		• • • • • • •	• • • • • • • •	3.5	6.7	6.0
1.4	.5	.1									1.9	3.7	3.0
1.4	.4	.2	.1	۶.							2.2	5.6	3.0
1.9	.4										2.3	2.8	2.0
2.7	.8	.5	.1								4.0	4.6	3.0
4.9	2.6	1.2	.3								9.0	5.4	4.0
3.7	5.1	3.7	1.0	.5							14.0	8.3	8.0
3.2	1.2	1.4	.6	.2	.1						6.7	7.3	5.0
3.5	.6	.3	.2	.1							4.6	4.0	2.0
8.8	1.7	.1									10.8	3.1	3.0
8.3	2.8	1.1	.2								12.4	4.6	3.0
7.3	2.7	1.4	.5	.2							12.1	5.2	3.0
 	•••••		• • • • • • •	•••••		• • • • • •	•••••	• • • • • •	•••••				••••
11111111	//////	1//////	///////	111111	1111111	!!!!!	///////	1//////	111111	11/////	16.8	/////	77777
48.6	19.8	16.8	3.2	1.3	.1						100.0	4.5	4.
	1.5 1.4 1.4 1.9 2.7 4.9 3.7 3.2 3.5 8.8 8.3 7.3	1.5 1.0 1.4 .5 1.4 .4 1.9 .4 2.7 .8 4.9 2.6 3.7 5.1 3.2 1.2 3.5 .6 8.8 1.7 8.3 2.8 7.3 2.7	1.5 1.0 .8 1.4 .5 .1 1.4 .4 .2 1.9 .4 2.7 .8 .5 4.9 2.6 1.2 3.7 5.1 3.7 3.2 1.2 1.4 3.5 .6 .3 8.8 1.7 .1 8.3 2.8 1.1 7.3 2.7 1.4	1.5	1-4 5-9 10-14 15-19 20-24 1.5 1.0 .8 .2 .1 1.4 .5 .1 1.4 .4 .2 .1 .2 1.9 .4 2.7 .8 .5 .1 4.9 2.6 1.2 .3 3.7 5.1 3.7 1.0 .5 3.2 1.2 1.4 .6 .2 3.5 .6 .3 .2 .1 8.8 1.7 .1 8.3 2.8 1.1 .2 7.3 2.7 1.4 .5 .2	1-4 5-9 10-14 15-19 20-24 25-29 1.5 1.0 .8 .2 .1 1.4 .5 .1 1.4 .4 .2 .1 .2 1.9 .4 2.7 .8 .5 .1 4.9 2.6 1.2 .3 3.7 5.1 3.7 1.0 .5 3.2 1.2 1.4 .6 .2 .1 3.5 .6 .3 .2 .1 8.8 1.7 .1 8.3 2.8 1.1 .2 7.3 2.7 1.4 .5 .2	1.5	1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 1.5 1.0 .8 .2 .1 1.4 .5 .1 1.4 .4 .2 .1 .2 1.9 .4 2.7 .8 .5 .1 4.9 2.6 1.2 .3 3.7 5.1 3.7 1.0 .5 3.2 1.2 1.4 .6 .2 .1 3.5 .6 .3 .2 .1 8.8 1.7 .1 8.3 2.8 1.1 .2 7.3 2.7 1.4 .5 .2	1.4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 1.5 1.0 .8 .2 .1 1.4 .5 .1 1.4 .4 .2 .1 .2 1.9 .4 2.7 .8 .5 .1 4.9 2.6 1.2 .3 3.7 5.1 3.7 1.0 .5 3.2 1.2 1.4 .6 .2 .1 3.5 .6 .3 .2 .1 8.8 1.7 .1 8.3 2.8 1.1 .2 7.3 2.7 1.4 .5 .2	1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 1.5 1.0 .8 .2 .1 1.4 .5 .1 1.4 .4 .2 .1 .2 1.9 .4 2.7 .8 .5 .1 4.9 2.6 1.2 .3 3.7 5.1 3.7 1.0 .5 3.2 1.2 1.4 .6 .2 .1 3.5 .6 .3 .2 .1 8.8 1.7 .1 8.3 2.8 1.1 .2 7.3 2.7 1.4 .5 .2	1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 1.5 1.0 .8 .2 .1 1.4 .5 .1 1.4 .4 .2 .1 .2 1.9 .4 2.7 .8 .5 .1 4.9 2.6 1.2 .3 3.7 5.1 3.7 1.0 .5 3.2 1.2 1.4 .6 .2 .1 3.5 .6 .3 .2 .1 8.8 1.7 .1 8.3 2.8 1.1 .2 7.3 2.7 1.4 .5 .2	1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL % 1.5 1.0 .8 .2 .1 .2 .3.5 1.4 .5 .1 .2 .2.2 1.9 .4 .2 .1 .2 .3 .9.0 3.7 5.1 3.7 1.0 .5 .1 .4.0 3.2 1.2 1.4 .6 .2 .1 .6.7 3.5 .6 .3 .2 .1 .6.7 3.5 .6 .3 .2 .1 .1 .2 .1 .2 .1 .2 .1 .2 .1	1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN X WIND 1.5 1.0 .8 .2 .1 .3.5 6.7 1.4 .5 .1 .2 .2 .5.6 1.9 .4 .2 .1 .2 .2 .3 .2.8 2.7 .8 .5 .1 .4.0 4.6 4.9 2.6 1.2 .3 .9.0 5.4 3.7 5.1 3.7 1.0 .5 .14.0 8.3 3.2 1.2 1.4 .6 .2 .1 .6.7 7.3 3.5 .6 .3 .2 .1 .4.6 4.0 8.8 1.7 .1 .1 .10.6 3.1 8.3 2.8 1.1 .2 .12.4 4.6 7.3 2.7 1.4 .5 .2 .12.1 5.2

TOTAL NUMBER OF OBSERVATIONS 1326

C - 4 - 115

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROYING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: DEC HOURS: 15-17

		•••••		•••••	WIND S	PEED IN	KNOTS	• • • • • •	• • • • • •	•••••		• • • • • • •	•••••	• • • • • • •
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN	MEDIAN WIND
(N) 350-010	2.1	1.1	.5	.6		• • • • • • •	•••••	• • • • • • •	•••••	•••••	• • • • • • •	4.3	5.8	5.0
020-040	1.1	1.3	1.1	.2								3.6	7.3	7.0
050-070	2.0	.3	.2	.2	.2							2.8	5.3	3.0
(E) 080-100	2.4	.1										2.4	2.3	2.0
110-130	2.1	.4		.2								2.6	4.3	3.0
140-160	3.6	2.9	.5	.1								7.2	5.1	4.0
(S) 170-190	3.5	5.3	2.4	1.0								12.2	7.4	7.0
200-220	2.3	1.4	.8	.7								5.2	6.5	5.0
230-250	4.7	.6	.4	.1								5.8	3.7	2.0
(W) 260-280	7.7	1.3										9.0	2.9	2.0
290-310	9.1	2.7	.5		.1							12.4	3.9	3.0
320-340	7.6	2.5	1.6	.6	.4							12.8	5.5	4.0
VARIABLE	: i				• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •		· • • • • • •			
CALM	1111111	(/////	1111111	//////	111111	////////	//////	//////	(111111)	11/1//	(111111	19.7	111111	//////
TOTALS	48.2	19.9	8.0	3.7	.7							100.0	4.1	4.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT	PERIOD OF RECORD: MAY 60 - APR 90
LST TO UTC: + 7	MONTH: DEC HOURS: 18-20

			_										-	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	3.4	1.6	1.6	.3		•••••	• • • • • •	*****	• • • • • • •	• • • • • • •	• • • • • • • •	6.9	6.3	5.0
020-040	1.7	1.1	.3		.3							3.4	6.3	4.0
050-070	3.2	.4	.4	.3								4.3	4.4	3.0
(E) 080-100	4.6	.7										5.2	2.7	2.0
110-130	4.3	.3										4.6	2.3	2.0
140-160	9.4	2.0	.7	.1								12.2	3.7	3.0
(S) 170-190	6.2	2.7	2.4	.7								12.0	6.1	4.0
200-220	1.9	.8	.4									3.1	5.1	4.0
230-250	3.0	.5										3.5	2.9	2.0
(W) 260-280	3.6	.1	.1									3.0	2.4	2.0
290-310	2.7	.1										2.8	2.3	2.0
320-340	4.0	2.0	.4									6.5	4.3	3.0
VARIABLE	; 			•••••	•••••	•••••	•••••		• • • • • • •	•••••	•••••	• • • • • •	• • • • • •	• • • • • •
CALM	1111111	111111	,,,,,,,	//////	1111111	1111111	//////	1111111	///////	///////	1111111	31.7	//////	//////
TOTALS	48.0	12.3	6.3	1,4	.3							100.0	2.9	3.0
			TO	TAL NUM	BER OF	OB SERVA	TIONS	744						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOWRLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT LST TO UTC: \pm 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: DEC HOURS: 21-23

													-	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN ONIW	MEDIAN WIND
(N) 350-010	1.2	.8	.5	•••••	•••••	• • • • • • •	•••••		•••••	• • • • • •		2.5	6.5	5.5
020-040	.8	.8	.6									2.2	6.4	6.0
050-070	4.1		.3									4.5	2.8	2.0
(E) 080-100	6.0	.2										6.1	2.4	2.0
110-130	7.7	.8										8.4	2.6	2.0
140-160	14.0	1.7	1.1	.3								17,1	3.5	2.0
(S) 170-190	5.1	3.7	1.8	.8								11.4	6.2	5.0
200-220	1.5	.2	.2									1,8	3.3	2.0
230-250	2.6											2.6	2.1	2.0
(W) 260-280	2.2	.8	.2									3.1	3.6	3.0
290-310	3.1	.2	.2									3.4	2.9	2.0
320-340	3.7	1.4	.3									5.4	4.1	4.0
VARIABLE	: !	•••••	• • • • • • •		•••••	• • • • • • •	• • • • • •	• • • • • • •	•••••	•••••	• • • • • • •	• • • • • • •	. .	• • • • • • •
CALM	1111111	//////	7/1///	11/////	/////	,,,,,,,	//////	////////	1111111	111111	///////	31.6	/////	111111
TOTALS	52.0	10.6	5.2	1.1								100.0	2.6	3.0

TOTAL NUMBER OF OBSERVATIONS 651

C - 4 - 118

PERCENTAGE FREQUENCY OF OCCURRENCE BURFACE WIND DIRECTION VERBUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGMAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOG OF RECORD: MAY 60 - APR 90 MONTH: DEC HOURS: ALL

				•••					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	010		o. ALL		
DIRECTION	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIA
(DEGREES)	i	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••	•••••	•••••	• • • • • •		•••••	**************************************	WIND	WIND
N) 350-010	1.7	.9	.5	.2	.0	•••••	•••••	•••••	• • • • • • •		• • • • • • •	3.3	6.0	4.0
020-040	1.2	.6	.3	.1	.0							2.2	5.4	4.0
050-070	3.0	.2	.1	.1	.1							3.5	3.6	2.0
E) 080-10G	4.9	.4										5.3	2.5	2.0
110-130	6.6	.8	.1	.0								7.6	3.0	3.0
140 - 160	9.2	2.5	.8	.2	.0							12.8	4.1	3.0
s) 170-190	4.7	3.6	2.4	.9	.2	.0						11.8	7.0	6.0
200-220	2.2	.7	.6	.3	.1	.0						4.0	6.3	4.0
230-250	3.1	.5	.2	.1	.0							3.8	3.4	2.0
1) 260-280	4.5	.8	.1	.0	.0							5.4	3.0	2.0
290-310	4.5	1.4	.4	.1	.1	.0						6.4	4.2	3.0
320 - 340	4.4	1.8	.6	.2	.1							7.1	4.8	3.0
VARIABLE	: 	• • • • • •	•••••	• • • • • •		· • • • • • •	• • • • • •	•••••	• • • • • • •	•••••	•••••	• • • • • •	· • • • • · ·	•••••
CALM	1111111	//////	1111111	//////	//////	,,,,,,,	//////	//////	///////	1111111	1111111	26.9	11/11/	/////
TOTALS	50.0	14.2	6.1	2.2	.6							100.0	3.3	3.0
			TO	TAL HUN	BER OF	OB SERVA	TIONS	7853						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	1-4	5-9	10-14	15-19		PEED IN		35 - 39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)	: : , 	••••	• • • • • •	•••••	• • • • • •		•••••		•••••			×	MINC	UIND
(N) 350-010	1.4	7	5		• • • • • • •	•••••		• • • • •		• • • • • • •	• • • • • • • • •	2.5	4.9	3.5
020-040	1.1		.2									1.2	3.1	2.0
050-070	3.9											3.9	1.8	2.0
(E) 080-100	3.7	.4										4.1	2.4	2.0
110-130	6.4	.2										6.6	2.2	2.0
140-160	5.2	.4										5.5	2.3	2.0
(S) 170-190	5.0	.4	.2									5.5	2.5	2.0
200 - 220	3.6	.2	.7									4.4	3.8	2.0
230-250	2.7	.4										3.0	2.3	2.0
(W) Z60-Z80	4.8	.5										5.3	2.6	2.0
290-310	5.9	1.2	2.0	.2								9.3	5.1	3.0
320-340	7.7	1.4	1.1	.2	.4							10.7	4.5	3.0
VARIABLE	: !		•••••	•••••	• • • • • •	•••••		• • • • • •	••••	• • • • • •	• • • • • • • •	• • • • • •	· • • • • •	
CALM	;;;;;;;	111111	1111111	//////	7/////	///////	//////	//////	11111111	(1/1///	((())	37.9	111111	111111
TOTALS	51.4	5.8	4.4	.6	.4							100.0	2.:	2.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UTLEST TO UTC: \pm 7

PERIOD OF RECORD: MAY 60 - APR 90

MOMINIALL BUDGES: MEL	MONTH:	ALL	HOURS: ALL
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••••••	• • • • • • • •	•••••	•••••	•••••	WIND S	PEED IN	KNOTS	•••••	• • • • • •	•••••	• • • • • • •		• • • • • •	•••••
DIRECTION	1-4	5-9	10-14	15 - 19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIA
(DEGREES)		•••••	• • • • • • •	•••••		• • • • • • •	•••••	•••••	*	•••••	•••••	*	MIMD	MIND
N) 350-010	1.7	1.6	1.0	.3	.1	.0	.0	.0	• • • • • •	•••••	•••••	4.6	7.1	6.0
020-040	1.3	1.2	.7	.2	.1	0						3.4	7.0	6.0
050-070	2.8	.6	.2	.0	.0	.0	.0					3.6	3.8	3.0
E) 080-100	4.8	.6	.1	.0	.0							5.5	3.0	3.0
110-130	5.8	1.0	.1	.0	.0							6.9	3.2	3.0
140-160	7.8	3.0	1.2	.3	.1	.0	.0					12.4	4.9	3.0
s) 170-190	4.0	4.3	3.4	1.1	.3	.0	.0					13.2	8.0	7.0
200-550	1.9	1.4	1.0	.3	.2	.0	.0		.0			4.8	7.5	6.0
230-250	2.5	1.3	.4	.1	.0	.0	.0					4.4	5.2	4.0
W) 260-280	3.6	2.5	.6	.1	.0	.0	.0					6.8	5.1	4.0
290-310	3.8	3.2	1.0	.3	.1	.0	.0	.0				8.3	5.9	5.0
320-340	3.7	3.1	1.4	.\$.1	.0	.0					8.9	6.6	5.0
VARIABLE]	• • • • • •	• • • • • •	•••••			•••••	••••		• • • • • •			• • • • • • •	•••••
CALH	1111111	11/1//	//////	///////	//////	////////	//////	///////	///////	//////	7/////	17.2	111111	//////
TOTALS	43.7	23.8	11.1	3.2	1.0							100.0	4.7	4.0

TOTAL NUMBER OF OBSERVATIONS: 98065

C - 4 - 121

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

TOTALS

STATION NAME: DUGLAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90

LST TO UTC: + 7

MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS). AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64 GE 6	55 TOTAL	MEAN	MED (A
(DEGREES)	• • • • • • •	• • • • • •	•••••	• • • • • •		******	• • • • • •		•••••		*	WIND	UIND
(N) 350-010	2.0	2.4	1.0	.2	.1	•••••	• • • • • •	• • • • • • •	• • • • • •		5.8	6. 6	6.0
020-040	1.0	.9	.4	.1							2.3	5.4	5.0
050-070	3.0	.1	.2								3.3	2.7	2.0
(E) 080-100	2.8	.3									3.1	2.5	2.0
110-130	4.5	.1									4.6	2.2	2.0
140-160	5.1	.7	.3								6.1	3.1	2.0
(S) 170-190	4.3	.9	.6	.1	.2	.2					6.3	5.3	3.0
200-220	2.6	.3	.4	.1	.1						3.5	4.7	3.0
230-250	3.3	.9	.1								4.3	3.3	3.0
(W) 260- 28 0	5.5	2.6	.8	.2		.1					9.2	4.7	4.0
290-310	6.4	3.6	2.0	.7	.2	.1					13.0	6.5	5.0
320-340	5.6	3.5	3.9	1.5	.7	.3					15.4	8.3	7.0
VARIABLE	••••••	••••		• • • • • •				· • • • • • •			• • • • • • • • • • • • • • • • • • • •	•••••	.

TOTAL NUMBER OF OBSERVATIONS: 1684

46.1 16.3 9.7 2.9 1.3 .7

100.0 4.2 3.0

PPPPP	PP?	AAA	AAA	RRRR	rrr	**********	DDDDDD	200
PPPPP	PPPP	AAAA	AAAA	RRRR	RRRRR	111111111	100000	0000
PP	₽P	AA	AA	RR	RR	TT	DD	DD
PP	PP	AA	AA	RR	RR	TT	DD	00
PPPPP	PPPP	M	AA .	RRRR	rrrr	TT	00	DO
PPPPP	PPP	****	AAAAA	RRRR	RRRR	TI	DD	DO
PP		AAAAA	AAAA	RR	RR	TT	00	DĐ
PP		AA	AA.	RR	RR	11	DĐ	DD
PP		AA	AA	RR	RR	TT	000001	ODOD
PP		AA	AA	RR	RR	TT	000000	0000

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PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

- CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

 CREATED FROM HOULY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION

 OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-
 MO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES

 (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE

 TABLES SUMMARIZE THE DATA AS FOLLOWS:
 - BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS CONGINED).
 - . BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
 - . BY YEAR (ALL YEARS AND ALL HOURS COMEINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

- NOTE 1: IN JAMUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."
- NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.
- CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 MAUTICAL MILES.
 FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.
- SKY COVER--PERCENT OCCURRENCE FREQUENCY.

 ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE
 OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYMOPTIC STATIONS, BUT
 AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURRED, OR TOTALLY
 OBSCURRED FOR AIRMAYS STATIONS. FOR AIRMAYS STATIONS, THIS SUMMARY ALSO GIVES
 POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE
 SAME AS FOR PREVIOUS TABLE.
- NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

MOTE 2. AIRMAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR SYMOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

 0/8
 CLEAR

 1/8 THRU 4/8
 SCATTERED

 5/8 THRU 7/8
 BROKEN

 8/8
 OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS," HOWEVER, ARE INCLUDED.

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TC UTC: + 7 MONTH: JAN HOURS: 00-02

				LS	TO UT	:: + /					MONT	H: JAN	HOURS	s: 00-0a			
CEII	LING	• • • • •			• • • • • •	• • • • • •	VISIBIL	ITY IN	STATUT	E MILES	•••••	• • • • • • •	•••••	• • • • • • •	• • • • • •		• • • • • •
11		GE	GE	GE	GE	GE	GE	GE	GE	GE	Œ	GE	GE	GE	GE	GE	GE
FEI	ET		<i>6</i>		4	3	2 1/2		1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	
NO (CEIL	7G.5	70.8	72.0	72.0	72.2	72.2	72.4	72.4	72.4	72.5	72.5	72.5	72.7	72.7	72.7	72.7
GE 2	20000	70.5	70.8	72.0	72.0	72.2	72.2	72.4	72.4	72.4	72.5	72.5	72.5	72.7	72.7	72.7	72.7
GE '	18000	70.5	70.8	72.0	72.0	72.2	72.2	72.4	72.4	72.4	72.5	72.5	72.5	72.7	72.7	72.7	72.7
GE '	16000	71.0	71.3	72.5	72.5	72.7	72.7	72.8	72.8	72.8	73.0	73.0	73.0	73.1	73.1	73.1	73.1
	14000	71.3	71.6	72. 8	72.8	73.0	73.0	73.1	73.1	73.1	73.3	73.3	73. 3	73.4	73.4	73.4	73.4
GE 1	12000	72.8	73.1	74.3	74.3	74.5	74.5	74.7	74.7	74.7	74.8	74.8	74.8	75.0	75.0	75.0	75.0
	10000	75.1	75.4	76.7	76.7	76.3	76.8	77.0	77.0	77.0	77.1	77.1	77.1	77.3	77.3	77.3	77.3
ĜE	9000	75.3	75.6	76.8	76.8	77.0	77.0	77.1	77.1	77.1	77.3	77.3	77.3	77.4	77.4	77.4	77 /
GE	8000	78.2	78.5	79.7	79.7	79.9	79.9	80.0	80.0	80.0	80.2	80.2	80.2	80.3	80.3	80.3	8 0.
GE	7000	81.4	81.7	82.9	82.9	83.1	83.1	83.3	83.3	83.3	83.4	83.4	83.4	83.6	83.6	83.6	83.
GE	6000	82.5	82.8	84.0	84.0	84.2	84.2	84.3	84.3	84.3	84.5	84.5	84.5	84.6	84.6	84.6	84.
GE	5000	85.9	a6.2	87.4	87.4	87.6	87.6	87.7	87,7	87.7	87.9	87.9	87.9	88.0	88.0	88.0	88.
GE	4500	86.6	86.9	88.2	88.c	88.3	88.3	88.5	88.5	88.5	88.6	88.6	88.6	88.8	88.8	88.8	88.
GE	4000	87.3	87.6	88.8	88.9	89.4	89.4	89.6	89.6	89.6	89.7	89.7	89.7	89.9	89.9	89.9	89.
GΕ	3500		88.2	89.4	89.6	90.3	90.3	90.5	90.5	90.5	90.6	90.6	90.6	90.8	90.8	90.8	90.
üξ	3000	88.5	88.8	90.0	90.2	90.9	90.9	91.1	91.1	91.1	91.4	9ì.4	91.4	91.6	91.6	91.6	91.6
GE.	2500	88.5	88.8	90.0	90.2	90.9	90.9	91.1	91.1	91.1	91.7	91.7	91.7	91.9	91.9	91.9	91.6
GE	2000	88.6	88.9	90.2	90.6	91.7	91.7	91.9	92.0	92.0	92.6	92.6	92.6	92.8	92.8	92.8	92.8
GE	1800	88.9	80.2	90.5	90.9	92.0	92.0	92.2	92.5	92.5	93.1	93.1	93.1	93.2	93.2	93.2	93.
GE	1500	88.9	89.2	90.5	90.9	92.0	92.0	92.2	92.5	92.5	93.1	93.1	93.1	93.2	93.2	93.2	93.
GΕ	1200	88.9	89.2	90.5	90.9	92.0	92.0	92.2	92.5	92.5	93.1	93.1	93.1	93.2	93.2	93.2	93.
GE	1000	88.9	89.2	90.5	90.9	92.5	92.5	92.6	92.9	93.2	93.9	93.9	93.9	94.0	94.0	94.0	94.1
GE	900	88.9	89.2	90.9	91.4	93.1	93.1	93.4	93.7	94.2	94.8	94.9	94.9	95.1	95.1	95.1	95.
GE	800	88.9	89.2	90.9	91.4	93.1	93.1	93.4	93.7	94.2	94.8	94.9	94.9	95.1	95.1	95.1	95.
GE	700		89.2	90.9	91.4	93.1	93 1	93.4	93.7	94.2	94.8	94.9	94.9	5.4	95.4	95.4	95.
GΕ	600	88.9	89.2	70.9	91.4	93.1	93.2	93.7	94.2	94.8	95.4	95.5	95.5	96.0	96.5	96.6	96.
GE	500	88.9	89.2	91,1	91.6	93.4	93.5	94.2	94.6	95.2	95.9	96.0	96.0	96.8	97.2	98.2	98.
GE	400		89.2	91.1	91.6	93.4	93.5	94.2	94.6	95.2	95.9	96.3	96.3	97.2	97.7	98.8	99.
Gé	300	88.9	89.2	91.1	91.6	93.4	93.5	94.2	94.6	95.2	95.9	96.3	96.3	97.2	97.7	98.8	99.5
GE	200		89.2	91.1	91.6	93.4	93.5	94.2	94.6	95.2	95.9	96.3	96.3	97.2	97.7	98.8	99.
GE	100	88.9	89.2	91.1	91.6	93.4	93.5	94.2	94.6	95.2	95.9	96.3	96.3	97.2	97.7	98.8	100.0
GE	COO	88.9	89.2	91.1	91.6	93.4	93.5	94.2	94.6	95.2	95.9	96.3	96.3	97.2	97.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 651

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

CEI		•••••	•••••	• • • • • •	•••••	• • • • • • •	VISIRII	1 TY 1	N STATUT	F MILES		•••••	• • • • • • •	• • • • • • •	•••••	• • • • • •	• • • • •
i		GE	GE	GΕ	GΕ	GE	GE	GE	GE.	GE	GE	GE	GE	GE	GE	GE	GE
Æ		7	76	5	4	3	2 1/2	2		1 1/4	ī	3/4	5/8	1/2	3/8	1/4	0
•••									· · · · · · · · · · · · · · · · · · ·		••••						
МО	CEIL	66.5	66.5	67.4	67.7	67.8	67.8	68.1	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE	20000	66.5	66.3	67.4	67.7	67.8	67.8	68.1	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GΕ	18000	66.5	66.5	67.4	67.7	67.8	67.8	68.1	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE	16000	66.5	66.5	67.4	67.7	67.8	67.8	68.1	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE	14000	67.2	67.2	68.1	68.4	68.5	68.5	8.86	68.9	68.9	69.2	5.96	69.2	69.2	69.2	69.2	69.2
GE	12000	69.6	69.6	70.6	70.8	71.0	71.0	71.3	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE	10000	73.7	73.7	74.9	75.2	75.3	75.3	75.6	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GĒ	9000	74.1	74.1	75.3	75.6	75.7	75.7	76.0	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE	8000	76.3	76.3	77.5	77.8	77.9	77.9	78.2	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE	7000	79.3	79.3	80.5	80.8	80.9	80.9	81.2	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE	6000	81.2	81.3	82.7	83.0	83.1	83.1	83.4	83.5	83.5	83.8	83.8	83.8	83.8	83.8	83.5	83.8
GE	5000	84.1	84.3	86.1	86.4	86.5	86.5	86.8	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2
Œ	4500	84.6	85.0	86.8	87.1	87.2	87.2	87.5	87.6	87.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE	4000	86.6	87,1	88.8	89.2	89.5	89.5	89.9	90.1	90.1	90.3	90.6	90.6	90.6	90.6	90.6	90.6
Œ	3500	87.3	87.7	89.5	89.9	90.2	90.2	90.6	90.7	90.7	91.1	91.4	91.4	91.6	91.6	91.6	91.6
GE	3000	87.6	88,1	89.9	90.7	91.0	91.0	91.4	91.7	91.7	92.2	92.5	92.5	92.6	92.6	92.5	92.6
GE	2500	88.0	88.6	90.3	91.3	91.6	91.6	92.0	92	92.2	92.8	93.5	93.5	93.6	93.6	93.6	93.6
Ģ€	2000	88.1	88.7	90.5	91.6	92.0	92.0	92.4	92.6	92.6	93.3	94.0	94.0	94.1	94.1	94.1	94.1
GΕ	1800	88.3	88.8	90.6	91.7	92.1	92.1	92.5	92.8	8.59	93.5	94.1	94.1	94.3	94.3	94.3	94.3
GE	1500	88.3	88.8	90.6	91.7	92.1	92.1	92.5	92.8	92.9	93.6	94.3	94.3	94.4	94.4	94.4	94.4
GE	1200	88.3	88.8	90.6	91.7	92.1	92.1	92.5	92.8	92.9	93.7	94.4	94.4	94.6	94.6	94.6	94.6
GE	1000	88.4	89.0	90.7	91.8	92.2	92.2	92.8	93.1	93.2	94.1	94.8	94.8	95.0	95.0	95.0	95.0
GE	900	88.4	89.0	90.7	91.8	92.2	92.4	92.9	93 .5	93.7	94.7	95.4	95.4	95.5	95.5	95.6	95.ó
GE	800	88.4	89.0	90.7	91.8	92.5	92.6	93.2	93.9	94.0	95.0	95.6	95.6	95.8	95.8	95.9	95.9
GE	700	88.6	89.2	91.0	92.1	92.8	92.9	93.5	94.1	94.3	95.2	95.9	95.9	የ6.0	96.2	96.5	96.5
GE	600	88.6	89.2	91.0	92.1	92.9	93.1 93	.7 9	4.4 94.	.6 95.	6 9 6.	3 96.	3 96.6	96.7	97.1	97.1	
GE	500	88.6	89.2	91.0	92.2		93.2	93.9	94.6	94.7	95.9	96.6	96.6	97.0	97.3	98.0	98.5
GE	400	88.6	89.2	91.0	92.2	93.1	93.2	95.9	94.6	94.7	95.9	96.7	96.7	97.4	97.7	99.0	100.0
GE	300	88.6	89.2	91.0	92.2		93.2	93.9	94.6	94.7	95.9	96.7	96.7	97.4	97.7	99.0	100.0
GE	200	88.6	89.2	91.0	92.2		93.2	93.9	94.6	94.7	95.9	96.7	96.7	97.4	97.7	99.0	103.0
ĢΕ	100	88.6	89.2	91 .ú	92.2	\$3.1	93.2	93.9	94.6	94.7	95.9	96.7	96.7	97.4	97.7	99.0	100.0
GE	000	88.6	89.2	91.0	92.2	93.1	93.2	93.9	94.6	94.7	95.9	96.7	96.7	97.4	97.7	99.0	100.0
	• • • • •	•••••		•••••	· • • • • •	• • • • • •	•••••		· · · · · · · · ·	•••••	•••••	• • • • • • •	· · · · · · · ·	• • • • • • •	• • • • • •	• • • • • •	• • • • • •

TOTAL NUMBER OF OBSERVATIONS 734

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + ? MONTH: JAN HOURS: 06-08 CEILING VISIBILITY IN STATUTE HILES IN GE GE GE GΕ GΕ GE GE GE GE GE 1 1/2 1 1/4 FEET 7 5 3 2 1/2 1/2 3/8 1/4 0 4 1 3/4 5/8 NO CEIL | 57.2 57.3 57.7 57.9 58.3 58.3 58.7 58.8 58.8 58.8 58.9 58.9 59.3 59.3 59.3 59.5 60.2 60.3 GE 20000 | 58.6 58.8 59.2 59.4 59.8 59.8 60.3 60.3 19.4 8.06 60.4 60.8 60.9 61.0 60.3 50.9 GE 18000 58.5 53.8 59.2 59.4 59.8 59.8 60.2 60.3 60.3 60.4 60.4 60.9 61.0 61.1 59.2 59.4 GE 16000 58.6 58,8 59.8 59.8 60.2 60.3 60.3 60.3 60.4 60.4 60.9 60.9 61.0 61.1 GE 14000 60.2 60.3 60.7 61.0 61.3 61.3 61.7 61.8 61.8 61.9 61.9 61.9 62.4 62.4 62.5 62.6 GE 12000 63.2 63.3 63.8 64.0 64.4 64.4 64.9 65.0 65.0 65.0 65.5 65.7 64.8 64.9 65.5 65.6 GE 100C0 69.0 69.2 69.7 69.9 70.3 70.3 70.7 70.8 70.8 70.9 70.9 70.9 71.4 71.4 71.5 71.6 71.1 GE 9000 71.6 72.1 70.1 70.3 70.9 71.6 72.0 72.1 72.1 72.2 72.2 72.7 72.7 72.8 72.9 8000 77.7 73.7 74.2 74.2 GE 72.3 72.5 73.0 73.2 74.2 74.3 74.4 74.4 74.9 74.9 75.0 75.1 GE 7000 75.1 75.3 75.8 76.1 76.5 76.5 77.0 77.0 77.0 77.1 77.2 77.2 77.7 77.7 77.8 77.9 77.4 77.6 79.1 79.5 79.6 6000 78.2 78.4 79.1 79.6 79.8 80.3 GE 5000 81.2 81.4 82.1 82.4 83.1 83.1 83.6 83.8 83.8 83.8 84.1 84.6 84.1 84.6 83.5 85.8 83.2 85.3 85.3 85.8 4500 82.1 82.3 84.3 84.3 84.7 84.9 84.9 85.0 85.9 GF 86.0 87.0 4000 l 85.7 86.5 86.5 87.2 87.2 87.6 88.3 GE 84.1 84.4 85.4 87.3 87.6 88.3 88.4 88.6 3500 84.3 84.6 85.3 86.0 86.8 86.9 87.4 87.6 87.6 87.6 88.0 88.0 88.7 88.7 88.8 88.9 GE 3000 £5.3 85.6 86.7 87.2 88.2 88.3 88.8 89.0 89.0 89.1 89.5 89.5 90.2 90.2 90.2 90.4 89.8 87.6 90.1 90.6 90.6 91.3 91.3 GE 2500 86.1 86.5 88.3 89.3 89.3 90.1 90.2 91.4 91.6 90.2 90.9 90.9 91.0 91.4 91.4 92.2 ĢE 2000 86.8 87.2 88.4 89.1 90.1 90.7 92.2 92.3 92.5 1800 87.2 88.4 89.1 90.1 90.2 90.7 91.0 91.0 91,1 91.5 91.5 92.3 92.3 92.3 92.6 86.8 89.3 91.3 91.8 91.8 92.6 1500 87.3 90.3 90.5 91.0 91.3 91.4 92.6 92.6 GE 86.9 88.5 92.8 91.5 1200 87.0 90.5 91.2 91.5 91 7 92.1 92.1 92.9 92.9 93.0 93.3 GE 87.4 88.6 89.5 90.7 91.0 91.6 92.0 92.6 93.4 GE 1000 (87.0 87.5 88.7 89.6 90.7 92.0 92.2 92.6 93.4 93.5 93.8 CE 900 Í 87.2 87.7 89.0 89.9 90.9 91.3 91.9 92.3 92.3 92.5 92.9 92.9 93.7 93.7 93.8 94.0 87.3 91.2 94.0 94.2 94.4 90.0 91.5 92.3 92.6 92.6 92.8 93.3 93.3 94.0 GE 800 87.8 89.0 92.6 90.2 91.4 91.7 92.9 92.9 93.1 93.7 93.7 94.5 94.5 94.7 7001 87.5 88.0 89.3 94.9 GE 95.4 88.0 89.3 90.2 91.5 91.9 92.7 93.1 93.4 94.1 94.1 94.9 95.0 95.6 GE 6001 87.5 95.9 91.6 500 i 87.5 88.0 89.4 90.4 92.0 93.0 93.5 93.6 94.0 94.7 94.7 95.8 96.5 97 0 89.5 91.7 93.1 93.7 93.8 94.2 94.9 94.9 97.1 400 87.6 88.1 90.4 92.1 96.0 96.1 98.0 CE 90.5 95.0 87.6 88.1 89.5 91.9 92.2 93.3 93.8 93.9 94.3 95.0 96.2 96.3 97.5 98.7 300 GE 92.2 93.3 93.8 97.7 2001 87.6 88.1 89.5 90.5 91.9 93.9 94.3 95.0 95.0 96.3 96.4 99.0 GE 94.4 95.1 GE 100 87.6 88.1 89.5 90.5 91.9 92.3 93.3 93.9 94.0 95.1 96.4 96.5 97.9 29.9 000 87.6 88.1 89.5 90.5 91.9 92.3 93.3 93.9 94.0 94.4 95.1 95.1 96.4 96.5 97.9 100.0 GF

TOTAL NUMBER OF OBSERVATIONS 1424

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: JAN HOURS: 09-11

			LS	T TO UT	C: + 7					MONT	H: JAN	HOUR	s: 09-1	1		
CEILIN		•••••	• • • • • • • •	•••••	• • • • • • •	VISIRI		STATU	F MILES		• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •
IN	GE	GE	GE	GE	GE	GE	GE	Œ.	GE	GE	GE	GE	GE	GE	GE	GE
FEET	7	6		4	3	2 1/2	5		1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
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			3 ES.4		F4 3	E 4 #		e. 7	E 4 7			£ 4 7			E1 0	
NO CEI	L 50.0	o s o.:	2 50.6	51.0	51.2	51.3	51.3	51.3	51.3	51.5	51.7	51.7	51.8	51.8	51.8	52.1
GE 200	00 52.	5 52.	8 53.1	53.6	53.8	53.9	53.9	53.9	53.9	54.2	54.3	54.3	54.4	54.4	54.4	54.7
GE 180	00 53.	7 53.	3 53.7	54.2	54.4	54.4	54.5	54.5	54.5	54.7	54.8	54.8	55.0	55.0	55.0	55.3
GE 160	00 53.	3 53.	6 53.9	54.4	54.6	54.7	54.8	54.8	54.8	55.0	55.1	55.1	55.3	55.3	55.3	55.5
GE 140	00 56.	1 56.	3 56.7	57.2	57.4	57.4	57.5	57.5	57.5	57.7	57.9	57.9	58.0	58.0	58.0	58.3
GE 120	00 60.	6 1.	1 61.4	61.9	62.1	62.2	62.3	62.3	62.3	62.5	62.6	62.6	62.7	62.7	62.7	63.0
GE 100	00 66.	0 66.	4 66.8	67.3	67.5	67.5	67.6	67.6	67.6	67.8	67.9	67.9	68.1	68.1	68.1	68.4
GE 90				68.6	68.8	68.9	69.0	69.0	69.0	69.2	69.3	69.3	69.5	69.5	69.5	69.7
GE 80				71.9	72.1	72.2	72.3	72.3	72.3	72.5	72.6	72.6	72.8	72.8	72.8	73.0
GE 70		_		74.9	75.2	75.3	75.4	75.4	75.4	75.6	75.7	75.7	75.8	75.8	75.8	76.2
GE 60				77.5	77.8	77.9	78.0	78.0	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.8
)								_							_
GE 50				82.4	82.8	82.8	83.0	83.1	83.1	83.3	83.6	83.6	83.7	83.7	83.7	84.1
CE 45				83.5	84.1	84.1	84.4	84.4	84.4	84.7	85.0	85.0	85.1	85.1	85.2	85.5
GE 40				86.1	86.6	86.7	86.9	87.0	87.0	87.4	87.7	87.7	87.9	87.9	87.9	88.3
GE 35				87.0	87.6	87.7	87.9	88.0	88.0	88.5	88.7	88.7	88.9	88.9	88.9	89.3
GE 30	00 85.	786.	1 86.9	87.9	88.6	88.7	88.9	89.0	89.0	89.5	89.9	89.9	90.0	90.0	90.1	90.5
GE 25	00 86.	1 86.	5 87.3	88.3	89.1	89.2	89.4	89.6	89.6	90.3	90.5	90.5	90.7	20.7	90.7	91.1
GE 20				88.7	89.5	89.6	87.9	90.1	90.1	90.9	91.1	91.1	91.3	91.3	91.4	91.8
	00 86.			88.7	89.5	89.6	89.9	90.1	90.1	90.9	91.1	91.1	91.3	91.3	91.4	91.8
GE 15	00 86.	7 87.	2 88.1	89.2	90.0	90.3	90.7	91.1	91.1	91.9	92.2	92.2	92.4	92.4	92.5	92.9
GE 12	00 87.	0 87.	4 88.5	89.6	90.5	90.7	91.1	91.6	91.6	92.5	92.9	92.9	93.1	93.1	93.2	93.6
GE 10	00 87.	0 87.	6 88.8	89.8	90.9	91.1	91.6	92.1	92.1	93.2	93.5	93.5	93.8	93.8	94.0	94.4
	00 87.			89.8	90.9	91.1	91.6	92.1	92.1	93.2	93.5	93.5	93.8	93.8	94.0	94.4
	00 87.			90.0	91.1	91.4	91.8	92.3	92.3	93.5	93.8	93.8	94.0	94.0	94.2	94.7
	00 87.			90.2	91.2	91.5	92.0	92.5	92.6	93.8	94.3	94.3	94.6	94.6	94.9	95.5
	00 87.			90.4	91.6	91.9	92.4	92.9	93.1	94.6	95.1	95.1	95.5	95.6	95.9	96.5
	00∫ 87.			90.5	91.7	92.0	92.5	93.1	93.3	94.9	95.4	95.4	95.8	96.0	96.4	97.2
	00 87.			90.5	91.8	92.1	92.7	93.2	93.4	95.2	95.7	95.7	96.2	96.8	97.4	98.7
	00 87.			90.5	91.8	92.1	92.7	93.2	93.4	95.2	95.7	95.7	96.4	97.0	97.6	99.1
	00 87.			90.5	91.8	92.1	92.7	93.2	93.4	95.2	95.7	95.7	96.5	97.1	97.7	99.8
GE 1	00 87.	1 88.	1 89.3	90.5	91.8	92.1	92.7	93.2	93.4	95.2	95.7	95.7	96.5	97.1	97.8	100.0
GE O	00 87.	1 88.	1 89.3	90.5	91.8	92.1	92.7	93.2	93.4	95.2	95.7	95.7	96.5	97.1	97.8	100.0
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TOTAL NUMBER OF OBSERVATIONS 1457

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TOTAL HUMBER OF OBSERVATIONS 1446

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY ORSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 NONTH: JAN HOURS: 12-14 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE 2 Œ GE GE GE C# GF. GE GF GF GE 114 FEET 2 1/2 1 1/2 1 1/4 6 5 4 3 1 3/4 5/8 1/2 3/8 1/4 0 58.9 61.6 GE 20000 60.7 61.5 61.7 61.7 61.7 61.7 61.7 61.7 61.0 61.7 61.7 61.7 61.7 61.7 61.8 GE 18000 61.1 61.3 61.8 62.0 62.0 62.0 62.0 62.0 62.0 0.56 62.0 62.0 62.0 62.0 62.0 62.1 GE 16000 62.4 62.4 62.4 62.4 4.56 62.4 62.4 62.4 62.4 62.4 62.4 61.5 61.8 62.2 62.4 62.5 GE 14000 43.0 63.3 65.8 63.9 64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0 GE 12000 67.3 67.5 67.5 67.5 67.5 67.5 67.5 67.4 67.5 67.5 67.5 67.5 67.6 44.5 66.8 67.5 GE 10000 70.8 71.1 71.6 71.7 71.8 71.8 71.8 71.8 71.8 71.8 71.8 71.8 71.8 71.8 71.8 71.9 GΕ 9000 72.1 72.3 72.9 73.0 73.2 73.2 73.2 73.2 73.2 73.2 73.2 73.2 73.2 73.2 73.2 73.2 8000 75.0 75.3 75.9 76.1 76.1 76.1 76.1 76.1 76.1 76.1 76.0 76.1 76.1 76.1 76.1 76.2 78.5 78.5 78.5 78.5 Œ 7000 77.3 77.6 78.2 78.4 78.5 78.5 78.5 78.5 78.5 78.5 78.5 78.6 80.5 80.6 80.6 80.6 G€ 6000 79.7 80.4 80.6 80.6 80.6 80.6 80.6 80.6 80.6 80.6 80.7 GF 5000 82.6 82.8 83.7 83.9 84.1 84.1 84.2 84.2 84.2 84.2 84.2 84.2 84.2 84.2 84.2 84.2

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PRUVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 NONTH: JAN HOURS: 15-17

			Lai	to uti	C:					PICINI	TH: JAN	HOUR	S: 15-1	,		
IG	• • • • •	• • • • • •	•••••	• • • • • •	• • • • • •	VISIBI	LITY II	STATU	E MILES	 }		•••••	•••••	••••••	•••••	•••••
1	GE	GE	GE	Œ	GE	GE	Ģ€	ĢΕ	GE	GE	GE	3D	GE	GΕ	GE	GE
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	(
.]	Fo 3	fo 7	EO 1	E2 2	50 (80 4	E O 4	50 ¢	80 4	50 4	EO /	50 /	50.4	ED /	50 E	59.5
1	38.3	36. <i>f</i>	39. I	34.2	3Y.4	34.4	37.4	39.4	37.4	37.4	39.4	37.4	39.4	37.4	39,3	39.3
		59.8	60.2	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6
																60.9
															-	61.4
																63.0
וייי	65.7	Q2.Y	00.4	00.4	30.0	90.0	CO.0	00.0	05.0	00.0	60.6	30.5	00.0	96.8	90.7	00.1
	70.8	71.0	71.5	71.5	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0
																73.9
													-			77.2
																79.9 82.8
100	01.0	61.7	02.2	82.2	02.4	06.7	02.0	62.6	62.6	62. 0	02.0	62.5	06.0	02.0	62.6	02.0
		84.8	85.4	85.5	85.6	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1
																86.2
															-	88.8
																89.6
100	59.5	90.1	90.7	91.2	91.3	91.4	91.7	91.7	91.7	y 1.7	91.7	91.7	9 1.7	91.7	¥1.5	91.8
500 l	90.6	90.9	91.8	92.2	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8
))))	90.9	91.2	92.2	92.7												93.5
	90.9	91.2							-							93.9
	91.5															94.
1000	91.8	92.2	93.2	93.9	94.1	94.1	94.4	94.6	94.6	94.7	94.9	94.9	94.9	94.9	95.0	95.0
000	91.8	92.3	93.5	94.2	94.4	94.5	94.8	95.0	95.0	95.2	95.3	95.3	95.3	95.3	95.4	95.6
)00¢	91.8	92.3	¥3.5	94.3	94.5		94.9	95.1	95.2					95.8	95.9	96.
300 j	91.8	92.3	93.6	94.5	94.6										96.2	96.
r00	91.8	92.4														97.0
200 j	91.8	92.4	93.8	94.7	95.1	95.2	95.8	96.2	96.3	96.6	96.8	96.8	96.9	97.2	97.3	97.
500 l	91.8	92.4	93.8	94.7	95.2	95.3	96.0	96.3	96.4	96.8	96.9	96.9	97.3	97.5	97.6	97.
100	91.8	92.4	93.8	94.7	95.2	95.3	96.1	96.4	96.5	96.9	97.0	97.0	97.4	97.9	98.4	99.
300	91.8	92.4	93.8	94.7	95.2	95.3	96.1	96.4	96.5	96.9	97.1		97.6	98.1	98.8	99.
	91.8	92.4	93.8	94.7	95.2	95.3	96.1	96.4	96.5				97.8	98.3	99.0	100.0
100	91.8	92.4	93.8	94.7	95.2	95.3	96.1	96.4	96.5	96.9	97.1	9 7.1	97.8	98.3	99.0	100.
1000	91.8	92.4	93.8	94.7	95.2	95.5	96.1	96.4	96.5	96.9	97.1	97.1	97.8	98.3	99.0	100.0
	11. 1000 1000 1000 1000 1000 1000 1000	GE 7 CL 58.3 CO 59.6 CO 59.6 CO 59.9 CO 60.4 CO 61.9 CO 70.8 CO 70.8 CO 76.0 CO 78.5 CO 78.5 CO 78.5 CO 78.5 CO 84.5 CO 87.3 CO 87.3 CO 87.3 CO 91.8 GE 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	GE 7 6 5 14. 58.3 58.7 59.1 15. 59.6 59.8 60.2 16. 59.9 60.2 60.6 17. 60.7 61.1 18. 60.0 60.4 60.7 61.1 18. 60.0 61.9 62.2 62.6 18. 60.0 65.7 65.9 66.4 18. 60.0 70.8 71.0 71.5 18. 60.0 76.0 76.2 76.6 18. 78.5 78.8 79.2 18. 60.0 78.5 78.8 79.2 18. 60.0 78.5 78.8 79.2 18. 60.0 78.5 78.8 79.2 18. 60.0 84.5 84.8 85.4 18. 60.0 84.7 85.0 85.6 18. 79 88.2 88.9 18. 60.0 87.3 87.5 88.1 18. 60.0 87.3 87.5 88.1 18. 60.0 87.9 88.2 88.9 18. 60.0 89.8 90.1 90.7 18. 60.0 90.9 91.2 92.2 18. 60.0 91.8 92.2 93.2 18. 60.0 91.8 92.3 93.5 18. 60.0 91.8 92.3 93.5 18. 60.0 91.8 92.3 93.5 18. 60.0 91.8 92.3 93.5 18. 60.0 91.8 92.4 93.8 18. 60.0 91.8 92.4 93.8 18. 60.0 91.8 92.4 93.8 18. 60.0 91.8 92.4 93.8 18. 60.0 91.8 92.4 93.8 18. 60.0 91.8 92.4 93.8 18. 60.0 91.8 92.4 93.8 18. 60.0 91.8 92.4 93.8 18. 60.0 91.8 92.4 93.8	GE 7 6 5 4 11. S8.3 58.7 59.1 59.2 12. S8.3 58.7 59.1 59.2 13. S9.6 59.8 60.2 60.3 13. S9.9 60.2 60.6 60.7 13. S9.9 60.2 60.6 60.7 13. S9.9 60.2 62.6 62.7 13. S9.9 66.4 66.4 13. S9.9 66.2 72.9 73.0 13. S9.9 72.5 72.9 73.0 13. S9.9 78.8 79.2 79.3 13. S9.9 88.2 88.9 89.0 13. S9.9 89.1 90.7 91.2 13. S9.9 90.9 91.8 92.2 92.7 13. S9.9 90.9 91.8 92.2 92.7 13. S9.9 90.9 91.2 92.2 93.9 13. S9.9 91.8 92.3 93.5 94.2 13. S9.9 91.8 92.4 93.8 94.7 GE 7 6 5 GE GE GE GE GE 7 6 5 4 3 11. S8.3 S8.7 S9.1 S9.2 S9.4 10.00 S9.6 S9.8 60.2 60.3 60.5 10.00 S9.9 60.2 60.6 60.7 60.8 10.00 60.4 60.7 61.1 61.2 61.3 10.00 61.9 62.2 62.6 62.7 62.9 10.00 65.7 65.9 66.4 66.4 66.4 66.6 10.00 70.8 71.0 71.5 71.5 71.7 10.00 72.2 72.5 72.9 73.0 73.2 10.00 76.0 76.2 76.6 76.7 76.9 10.00 78.5 78.8 79.2 79.3 79.4 10.00 84.5 84.8 85.4 85.5 85.6 10.00 84.7 85.0 85.6 85.6 85.8 10.00 87.3 87.5 88.1 88.2 88.4 10.00 87.9 88.2 88.9 89.0 89.2 10.00 89.8 90.1 90.7 91.2 91.3 10.00 90.9 91.2 92.2 92.7 92.9 10.00 90.9 91.2 92.2 92.7 92.9 10.00 90.9 91.2 92.2 92.7 92.9 10.00 91.8 92.3 93.5 94.2 94.4 10.00 91.8 92.3 93.5 94.2 94.4 10.00 91.8 92.3 93.5 94.2 94.4 10.00 91.8 92.3 93.5 94.2 94.4 10.00 91.8 92.3 93.5 94.2 94.4 10.00 91.8 92.3 93.5 94.2 94.4 10.00 91.8 92.3 93.5 94.2 94.4 10.00 91.8 92.3 93.5 94.7 95.0 10.00 91.8 92.4 93.8 94.7 95.2 10.00 91.8 92.4 93.8 94.7 95.2 10.00 91.8 92.4 93.8 94.7 95.2 10.00 91.8 92.4 93.8 94.7 95.2 10.00 91.8 92.4 93.8 94.7 95.2	GE 7 6 5 4 3 2 1/2 11. 58.3 58.7 59.1 59.2 59.4 59.4 10.00 59.6 59.8 60.2 60.3 60.5 60.5 10.00 59.9 60.2 60.6 60.7 60.8 60.8 10.00 60.4 60.7 61.1 61.2 61.3 61.3 10.00 61.9 62.2 62.6 62.7 62.9 62.9 10.00 70.8 71.0 71.5 71.5 71.7 71.7 10.00 72.2 72.5 72.9 73.0 73.2 73.2 10.00 76.0 76.2 76.6 76.7 76.9 76.9 10.00 78.5 78.8 79.2 79.3 79.4 79.5 10.00 84.5 84.8 85.4 85.5 85.6 85.7 10.00 84.7 85.0 85.6 85.6 85.8 85.9 10.00 87.3 87.5 88.1 88.2 88.4 88.4 88.4 88.6 87.9 88.2 88.9 89.0 89.2 89.3 10.00 89.8 90.1 90.7 91.2 91.3 91.4 88.0 90.9 91.2 92.2 92.7 92.9 92.9 90.9 91.2 92.2 92.7 92.9 92.9 90.9 91.2 92.2 92.7 92.9 92.9 90.9 91.2 92.2 92.7 92.9 92.9 90.9 91.2 92.2 92.7 92.9 92.9 90.9 91.8 92.2 93.4 93.5 93.6 90.9 91.8 92.2 93.7 94.1 94.1 94.1 90.0 91.8 92.3 93.5 94.3 94.5 94.6 94.7 95.0 91.8 92.4 93.8 94.7 95.0 95.1 95.2 95.3 90.9 91.8 92.4 93.8 94.7 95.0 95.1 95.2 95.3 90.9 91.8 92.4 93.8 94.7 95.0 95.1 95.2 95.3 90.9 91.8 92.4 93.8 94.7 95.	GE	GE G	GE G	GE G	GE G	GE G	GE G	GE G	GE G		

TOTAL NUMBER OF OBSERVATIONS 1177

D - 2 - 6

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERBUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JAN HOURS: 18-20

CEI	LING						VISIBIL	ITY IN	STATUT	E MILES							
1	N I	GE	GE	GE	GE	ĠΕ	GE	GE	GE	Œ	GE	GE	GΕ	GE	GE	GE	GE
FE	ET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO	CEIL	65.3	65.6	65.7	65.7	66.4	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.7	66.7	66.7	66.7
GΕ	20000	65.3	65.6	65.7	65.7	66.4	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.7	66.7	66.7	66.7
GΕ	18000	65.3	65.6	65.7	65.7	66.4	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.7	66.7	66.7	66.7
GE	16000	65.7	66.0	66.1	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	67.1	67.1	67.1	67.1
GE	14000	66.7	66.9	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.9	67.9	68.0	68.0	68.0	68.0
GΕ	12000	70.3	70.6	70.7	70.7	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.6	71.6	71.6	71.6
GE	10000	74.1	74.3	74.5	74.5	75.1	75.1	75.1	75.1	75.1	75.1	75.3	75.3	75.4	75.4	75.4	75.4
GΕ	9000	75.9	76.2	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.2	77.2	77.3	77.3	77.3	77.3
GE	8000	80.1	30.4	80.5	80.5	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.5	81.5	81.5	81.5
ĢΕ	7000	82.0	82.3	82.4	82.4	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	33.3	83.3	83.3	83.3
GE	6000	84.9	85.2	85.3	85.3	86.0	86.0	86 .0	86.0	86.0	86.0	86.2	86.2	86.3	86.3	86.3	86.3
GE	5000	87.4	87.6	87.8	87.8	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	86.7	88.7	88.7	88.7
GE	4500	87.4	87.6	87.8	87.8	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.7	88.7	88.7	88.7
GE	4000	83.6	88.8	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	39.8	89.8	89.9	89.9	89.9	89.9
GE	3500	89.4	89.7	89.8	89.9	90.6	90.6	90.9	90.9	90.9	90.9	91.0	91.0	91.1	91.1	91.3	91.3
GE	3000	90.1	90.5	91.0	91.3	91.9	91.9	92.3	92.3	92.3	92.3	92.5	92.5	92.6	92.6	92.7	92.7
GE	2500	91.0	91.4	92.1	92.5	93.4	93.5	94.1	94.1	94.1	94.1	94.2	94.2	94.4	94.4	94.5	94.5
GΕ	2000	91.7	92.1	92.7	93.1	94.1	94.2	94.8	94.8	64.8	94.8	94.9	94.9	95.0	95.0	95.2	95.2
GE	1800	91.7	92.1	92.7	93.1	94.1	94.2	94.8	94.8	94.8	94.8	94.9	94.9	95.0	95.0	95.2	95.2
GE	1500	91.7	92.1	92.7	93.1	94.2	94.4	94.9	94.9	94.9	94.9	95.0	95.0	95.2	95.2	95.3	95.3
GE	1200	91.7	92.1	92.7	93.1	94.2	94.4	94.9	94.9	94.9	94.9	95.0	95 .0	95.2	95.2	95.3	95.3
GE	1000	91.7	92.1	92.7	93.1	94.4	94.5	95.0	95.0	95.0	95.0	95.2	95.2	95.3	95.4	95.6	95.6
ĢE	900		92.2	92.9	93.3	94.5	94.6	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.6	95.8	95.8
GE	800		92.5	93.3	94.0	95.2	95.3	95.8	95.8	95.8	95.8	96.0	96.0	96.1	96.4	96.6	96.6
Gf	700		92.5	93.4	94.1	95.6	95.7	96.2	96.2	96.2	96.2	96.4	96.4	96.5	96.8	97.0	97.0
GE	600	91.8	92.5	93.4	94.1	95.8	96.0	96.8	96.8	96.8	97.0	97.2	97.2	97.3	97.6	98.0	98.0
GE	500		92.5	93.4	94.1	96.0	96.1	97.0	97.0	97.0	97.3	97.4	97.4	97.6	97.8	98.4	98.5
ĢE	400	91.8	92.5	93.4	94.1	96.0	96 1	97.0	97.0	97.0	97.3	97.4	97.4	97.6	97.8	98.4	99.2
ĢĔ	.100	91.8	92.5	93.4	94.1	96.0	96.1	97.0	97.0	97.0	97.3	97.4	97.4	97.6	97.8	98.4	99.2
GE	:00	91.8	92.5	93.4	94.1	96.0	96.1	97.0	97.0	97.0	97.3	97.4	97.4	97.6	97.8	98.4	99.9
GE	100	91.8	92.5	93.4	94.1	96.0	96.1	97.0	97.0	97.0	97.3	97.4	97.4	97.6	97.8	98.4	100.0
GE	000	91.8	92.5	93.4	94.1	96.0	96.1	97.0	97.0	97.0	97.3	97.4	97.4	97.6	97.8	98.4	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY DESERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGLAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 HONTH: JAN HOURS: 21-23 CEILING VISIBILITY IN STATUTE HILES Œ Œ 1 N GF GF. GF GF C\$ Œ Œ C.E GE 2 1/2 1 1/2 1 1/4 5 4 FEET 6 3 2 1 3/4 Ω 5/8 1/2 3/8 1/4 67.7 NO CEIL 67.4 68.2 68.7 68.8 64.E 70.0 70.2 70.2 70.2 70.2 70.2 70.2 70.2 70.2 70.2 69.6 67.4 68.2 68.8 69.7 70.2 70.2 70.2 70.2 70.2 20.2 70.2 GE 20000 68.7 70.0 70.2 70.2 GE 18000 67.4 68.2 68.7 68.8 69.6 69.7 70.0 70.2 70.2 70.2 70.2 70.2 70.2 70.2 70.2 70.2 GE 16000 67.9 68.7 69.1 69.3 70.0 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.2 70.5 69.6 69.1 71.1 GE 14000 68.4 69.7 70.5 70.7 71.0 71.1 71.1 71.1 71.1 71.1 71.1 71.1 71.1 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.9 GE 12000 71.1 71.9 72.4 72.5 73.3 73.4 73.7 75.7 76.2 76.2 GE 10000 73.4 74.2 74.7 74.8 75.6 76.0 76.2 76.2 76.2 76.2 76.2 76.2 76.2 GE 9000 73.9 74.7 75.1 75.3 76.0 76.2 76.5 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 79.1 GE 78.3 79.6 79.7 80.5 81.0 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 8000 80.6 81.3 7200 6000 82.0 82.3 83.1 83.3 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 GF 80.8 81.6 83.6 84.0 85.6 85.9 85.9 85.9 85.9 85.9 85.9 85.9 82.8 85.1 85.3 85.9 83.6 GE 5000 85.7 86.5 86.9 87.3 88.0 88.2 88.5 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 87.4 87.7 4500 86.6 87.1 88.2 88.3 88.6 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 GE 85.9 4000 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 86.9 87.4 88.5 88.6 88.9 86.2 Œ 90.2 90.2 90.2 90.2 90.2 90.2 89.4 89.6 89.9 90.2 90.2 90.2 3500 87.9 88.2 GE 86.6 87.4 91.2 91.2 91.2 91.2 91.2 91.2 Œ 3000 87.6 85.3 88.8 89.2 90.5 90.6 90.9 91.2 91.2 91.9 91.9 91.9 91.9 91.9 91.9 91.9 88.2 89.4 89.9 91.1 91.2 91.6 91.9 91.9 GE 2500 88.9 92.6 92.8 92.8 92.6 92.6 92.8 92.8 92.8 92.8 92.3 GE 2000 88.2 88.9 89.6 90.3 91.9 92.0 1800 88.9 89.6 90.3 91.9 92.0 92.3 92.6 92.6 92.6 92.8 92.8 92.8 92.8 92.8 92.8 GE 88.2 93.1 93.1 93.4 93.4 93.4 93.5 93.5 93.5 88.3 89.1 89.7 90.5 92.2 92.3 92.8 93.1 1500 Œ 92.2 92.8 93.1 93.1 93.1 93.4 93.4 93.5 93.5 89.7 92.3 Œ 1200 88.3 89.1 90.5 94.5 94.5 94.5 93.1 93.2 93.7 94.0 94.0 94.0 94.3 94.3 94.3 GE 1000 88.6 89.6 90.2 90.9 94.5 94.5 94.5 94.8 94.8 94.8 94.9 94.9 94.9 91.2 93.5 93.7 94.2 GE 900 88.9 89.9 90.5 94.5 94.8 94.8 94.8 95.1 95.1 95.2 95.2 95.1 95.2 93.9 94.0 GE 800 88.9 89.9 90.6 91.6 95.7 91.7 94.0 94.2 94.6 94.9 94.9 95.1 95.4 95.4 95.5 95.7 95.7 GE 700 89.1 90.0 90.8 94.5 94.6 95.1 95.4 95.4 95.7 96.0 96.0 96.2 96.5 96.8 8.8 GE 600 89.2 90.2 90.9 91.9 97.7 94.6 98.2 GE 500 89.2 90.2 90.9 91.9 94.5 95.2 95.5 95.5 95.9 96.3 96.3 96.5 8.89 400 94.5 94.9 95.5 96.0 96.5 96.9 96.9 97.1 97.4 98.3 98.9 90.2 90.9 91.9 96.0 GE 89.2 97.2 94.5 97.5 98.5 99.1 300 89.2 90.2 90.9 91.9 94.9 95.5 96.0 96.0 96.5 96.9 96.9 Œ 94.5 94.9 95.5 96.5 96.9 96.9 97.2 97.5 98.5 99.5 96.0 96.0 GE 200 89.2 90.2 90.9 91.9 96.9 97.2 97.5 100.0 90.9 91.9 94.9 95.5 96.0 96.0 96.5 96.9 98.5 96.9 96.9 97.2 97.5 98.5 100.0 90.2 90.9 91.9 94.5 94.9 95.5 96.0 96.0 96.5 000 89.2 GE

TOTAL NUMBER OF OBSERVATIONS 651

D - 2 - 8

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIL S

STATION NUMBER: 690110 STATION HAME: DUGNAY PROVING GROUNDS UT PERIOD OF RECORD: HAY 60 - APR 90 HOMTH: JAN HOURS: ALL

CEI	LING						VISIBI	ITY IN	STATUT	E MILES							
1		GE	GE	GΕ	GE	GE	GE	Œ	GE	GE	GE	GΕ	GE	GE	GE	GE	GE
FE	ET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO (CEIL	59.6	59.9	60.4	60.6	60.8	60.9	61.0	61.0	61.0	61.1	61.2	61.2	61.3	61.3	61.3	61.4
GE :	20000	61.0	61.2	61.7	61.9	62.2	62.2	62.4	62.4	62.4	62.5	62.6	62.6	62.7	62.7	62.7	62.8
GE	18000	61.2	61.4	62.0	62.1	62.4	62.4	62.6	62.6	62.6	62.7	62.8	62.8	62.9	62.9	62.9	63.0
	16000	61.5	61.7	62.3	62.4	62.7	62.7	62.9	62.9	62.9	63. 0	63.1	63.1	63.2	63.2	63.2	63.3
	14000	62.9	63.2	63.7	63.9	64.2	64.2	64.3	64.4	64.4	64.4	64.5	64.5	64.6	64.6	64.7	64.7
GE	12000	66.3	66.6	67.1	67.3	67.6	67.6	67.7	67.8	67.8	67.9	67.9	67.9	68.0	68.0	68.1	68.2
GE	10000	70.7	71.0	71.6	71.8	72.1	72.1	72.3	72.3	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.7
GE	9000	71.8	72.1	72.7	72.9	73.2	73.2	73.4	73.5	73.5	73.6	73.6	73.6	73.7	73.7	73.8	73.8
GE	8000	75.0	75.3	75.9	76.1	76.4	76.4	76.6	76.6	76.6	76.7	76.8	76.8	76.9	76.9	76.9	77.0
GE	7000	77.6	77.9	78.5	78.7	79.1	79.1	79.3	79.3	79.3	79.4	79.5	79.5	79.6	79.6	79.6	79.7
ĞΕ	6000	79.9	80.3	80.9	81.1	81.5	81.5	81.7	81.7	91.7	81.8	81.9	81.9	82.0	82.0	82.0	82.1
GE	5000	83.4	83.7	84.4	84.7	85.1	85.1	85.4	85.4	85.4	85.5	85.6	85.6	85.8	85.8	85.8	85.9
GE	4500	84.1	84.4	85.2	85.5	85.9	85.9	86.2	86.3	86.3	86.3	86.5	86.5	86.6	86.6	86.6	86.7
CE	4000	85.9	86.2	87.1	87.4	87.9	87.9	88.1	88.2	88.2	88.4	88.5	88.5	88.7	88.7	88.7	88.8
ĢΕ	3500	86.5	36.9	87.8	88.2	88.7	88.8	89.1	89.1	89.1	89.3	89.4	89.4	89.6	89.6	89.7	89.8
GE	3000	87.5	87.9	88.9	89.4	90.0	90.1	90.4	90.5	90.5	90.7	90.8	90.8	91.0	91.0	91.1	91.2
GE	2500	88.0	88.4	89.5	90.1	90.7	90.8	91.1	91.2	91.2	91.5	91.6	91.6	91.8	91.8	91.9	92.0
GE	2000	88.4	88.8	89.9	90.6	91.3	91.4	91.8	91.9	91.9	92.2	92.4	92.4	92.6	92.6	92.7	92.8
GE	1800	88.4	88.9	90.0	90.6	91.4	91.5	91.8	92.0	92.0	92.3	92.5	92.5	92.7	92.7	92.8	92.9
GΕ	1500		89.1	90.2	91.0	91.8	91.9	92.3	92.5	92.5	92.9	93.1	93.1	93.3	93.3	93.4	93.5
ĢĒ	1200	88.8	89.3	90.5	91.3	92.1	92.3	92.6	92.9	92.9	93.3	93.6	93.6	93.8	93.8	93.9	94.0
GE	1000	88.9	89.4	90.7	91.5	92.5	92.6	93.1	93.4	93.4	93.9	94.2	94.2	94.4	94.4	94.5	94.6
Œ	900	89.0	89.5	90.8	91.6	92.7	92.8	93.3	93.7	93.8	94.2	94.5	94.5	94.7	94.8	95.0	95.1
GΕ	800	89.0	89.6	91.0	91.8	22.9	93.0	93.6	93.9	94.0	94.5	94.8	94.8	95.0	95.1	95.3	95.4
GE	700		89.7	91.1	92.0	93.1	93.3	93.9	94.3	94.4	94.9	95.3	95.3	95.6	95.7	95.9	96.1
GE	600	89.1	89.7	91.1	92.1	93.3	93.5	94.2	94.6	94.8	95.4	95.8	95.8	96.2	96.4	96.6	96.8
GE	500	89.1	89.7	91.2	92.2	93.5	93.7	94.4	94.8	95.0	95.7	96.2	96.2	96.7	96.9	97.4	97.8
GE	400	89.1	89.8	91.2	92.2	93.5	93.7	94.5	94.9	95.1	95.9	96.3	96.3	96.9	97.3	98.0	98.9
ĢE	300	89.1	89.8	91.2	92.2	93.5	93.7	94.5	95.0	95.1	95.9	96.4	96.4	97.1	97.4	98.3	99.3
GE	200	89.1	89.8	91.2	92.2	93.5	93.7	94.5	95.0	95.1	95.9	96.4	96.4	97.2	97.5	98.4	99.7
GΕ	100	89.1	89.8	91.2	92.2	93.6	93.8	94.5	95.0	75.2	96. 0	96.4	96.4	97.2	97.5	98.4	100.0
GE	000	l 89.1	89.8	91.2	92.2	93.6	93.8	94.5	95.0	95.2	96.0	96.4	96.4	97.2	97.5	98.4	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: FEB HOURS: 00-02 LST 70 UTC: + 7 CEILING VISIBILITY IN STATUTE MILES IN Œ GE Œ GΕ GE GE GE GE GΕ 5 1 1/2 1 1/4 1 3/4 5/8 FEET 6 4 3 2 1/2 2 1/2 3/8 1/4 0 NO CEIL 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 71.4 71.4 70.7 GE 20000 70.7 70.7 70.7 70.7 71.4 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 71.4 GE 18000 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9 71.6 71.6 GE 16000 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9 71.6 71.6 71.6 71.6 71.6 71.6 GE 14000 71.6 71.6 71.6 71.6 71.6 71.6 71.6 71.6 71.6 71.6 72.3 72.3 74.5 GE 12006 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74 5 74.5 79.4 GE 10000 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 80.0 80.0 9000 80.5 80.5 80.5 80.5 80.5 80.5 81.2 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 81.2 GE 83.6 GC 8000 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 84.3 84.3 86.0 86.0 86.6 7000 86.0 86.0 86.0 86.0 0.68 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.6 GE 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 87.3 6000 89.3 93.1 Sana 92.2 92.2 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92 4 93.1 Œ 93.2 93.2 93.2 93.2 GΕ 4500 93.1 93.1 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.9 93.9 94.1 94.1 GE 4000 93.4 93.4 93.6 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.8 94.8 3500 94.9 94.9 94.9 94.9 94.9 94.9 94.5 94.9 94.9 94.9 94.9 95.6 GE 94.2 94.2 94.4 95.6 3000 95.1 95.1 95.3 95.8 95.9 95.9 95.9 95.9 95.9 95.9 95.9 96.6 96.6 GE 95.8 95.9 96.6 95.8 GΕ 2500 96.4 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 97.3 97.3 97.6 98.3 2000 96.3 96.4 97.3 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 98.3 GE 96.1 97.6 97.6 96.3 96.4 97.3 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 98.3 GE 1800 96.1 98.3 97.6 1500 96.3 96.4 97.3 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 98.3 98.3 96.1 GE 97.3 97.6 97.6 97.6 97.6 97.6 96.3 97.6 97.A 97 6 97.6 QR 3 98.3 GF 1200 96.1 96.4 97.6 97.6 1000 96.3 96.4 97.3 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 98.3 98.3 96.1 96.1 96.4 97.3 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 98.3 98.3 GE 900 96.3 96.3 800 96.1 96.4 97.5 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.6 98.6 ĞĒ 96.3 97.6 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 700 96.6 98.3 90.0 99.3 Œ 96.1 98.3 99.5 98.3 Œ 600 96,1 96.3 96.6 97.6 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 99.0 GE 500 96.1 96.3 96.6 97.6 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 99.0 99.7 97.6 96.3 98.3 98.3 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 99.2 99.8 96.6 GE 400 96.1

TOTAL NUMBER OF OBSERVATIONS 591

96.3

96.3

96.3

96.3

95.6

96.6

96.6

96.6

97.6

97.6

97.6

97.6

98.3

98.3

98.3

98.3 98.3

98.3

98.3

98.3

98.5

98.5

98.5

98.5

GE

GE

GF

300

200

100

96.1

96,1

96.1

000 96.1

D - 2 - 10

98.5

98.5

98.5

98.5

98.5

98.5

98.5

98.5

98.5

98.5

98.5

98.5

98.5

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98.5

98.5

98.5

98.5

99.3 100.0

99.3 100.0

100.0

100.0

99.3

99.3

98.5

98.5

98.5

98.5

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: FEB HOURS: 03-05

				LSI	TO UT	C: + 7					HONT	H: FEB	HOURS	s: 03-0			
CEIL	ING	•••••	• • • • • •	• • • • • • •	*****	• • • • • •	VISIBII	ITY II	STATUT	E MILES	•••••	•••••	• • • • • •	• • • • • •	•••••	•••••	• • • • •
IN		GE	G€	Œ	GE	GE	SE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEE	:T	7		5	4		2 1/2		1 1/2	1 1/4	1 	3/4	5/8	1/2	3/8	1/4	
NO C	EIL	66.9	67.3	67.6	67.9	67.9	67.9	68.1	68.1	68.1	65.3	68.3	68.3	68.3	68.6	69.2	69.3
CF 2	0000	66.9	67.3	67.6	67.9	67.9	67.9	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.6	69.2	69.3
	8000	66.9	67.3	67.6	67.9	67.9	67.9	68.1	68.1	ó8.1	68.3	68.3	68.3	68.3	68.6	69.2	69.3
	6000	66.9	67.3	67.6	67.9	67.9	67.9	68.1	68.1	68.1	65.3	68.3	68.3	68.3	68.6	69.2	69.3
GE 1	4000	67.3	67.8	68.1	68.4	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.7	69.D	69.6	69.8
GE 1	5000	69.9	70.4	70.7	71.2	71.2	71.2	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.8	72.4	72.5
GE 1	0000	75.8	76.2	76.5	77.0	77.1	77.1	77.3	77.3	77.3	77.5	77.5	77.5	77.5	77.8	78.4	78.5
	9000	77.1	77.6	<i>7</i> 7.9	78.4	78.5	78.5	78.7	78.7	78.7	78.8	75.8	78.8	78.8	79.1	79.8	79.9
	8000	80.4	80.8	81.1	81.6	81.7	81.7	81.9	81.9	81.9	82.1	82.1	82.1	82.1	82.4	83.0	83.1
	7000	83.6	84.0	84.4	84.8	85.0	85.0	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.6	86.2	86.3
GE	6000	85.4	85.9	86.2	86.7	87.0	87.0	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.6	88.2	88.3
	5000	89.1	89.6	90.2	90.6	91.1	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.7	92.3	92.5
	4500	90.2	90.6	91.3	91.7	92.2	92.2	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.8	93.4	93.6
	4000	90.6	91.1	91.7	92.2	92.6	92.6	92.8	92.8	92.8	92.9	93.4	93.4	93.4	93.7	94.3	94.5
	3500	91.9	92.3	92.9 94.0	93.4 94.8	94.0 95.4	94.0 95.4	94.2 95.6	94.2 95.6	94.2 95.6	94.3 95.7	94.8 96.2	94.8 96.2	94.8 96.2	95.1 96.5	95.7 97.1	95.9 97.2
GE	3000	92.5	93.4	94. 0	74. 5	Y3.4	77.4	42.0	A2.9	Y7.0	Y3./	70.2	70.2	90.2	40. 3	77.1	91.2
GE	2500	92.9	93.9	94.5	95.2	95.9	95.9	96.0	96.0	96.0	96.2	96.6	96.6	96.6	96.9	97.5	97.7
GE	2000	93.6	94.5	95.1	95.9	96.5	96.5	96.6	96.6	96.6	96.8	97.2	97.2	97.2	97.5	98.2	98.3
-	1800		94.5	95.1	95.9	96.6	96.6	96.8	96.8	96.8	96.9	97.4	97.4	97.4	97.7	98.3	98.6
	1500		94.6	95.2	96.0	96.8	96.8	96.9	96.9	96.9	97.1	97.5	97.5	97.5	97.9	98.5	93.8
GE	1200	93. 7	94.6	95.2	96.0	96.8	96.8	96.9	96.9	96.9	97.1	97.5	97.5	97.5	97.9	98.5	98.8
GE	1000	93.7	94.6	95.2	96.0	96.8	96.8	96.9	96.9	96.9	97.2	97.7	97.7	97.7	98.0	98.6	98.9
GE	900	93.7	94.6	95.2	95.0	96.8	96.8	97.1	97.1	97.1	97.4	97.9	97.9	97.9	98.2	98.8	99.1
Œ	800		94.6	95.2	96.0	96.8	96.8	97.1	97.1	97.1	97.4	97.9	97.9	97.9	98.2	98.8	99.1
GE	700	93.7	94.6	95.4	96.3	97.5	97.5	97.9	97.9	97.9	98.2	98.6	98.6	98.6	98.9	99.5	99.8
Œ	600	93.7	94.6	95.4	96.3	97.5	97.5	97.9	9 7.9	97.9	98.2	98.6	98.6	98.6	98.9	99.5	99.8
GE	,	93.7	94.6	95.4	96.3	97.5	97.5	97.9	97.9	97.9	98.2	98.6	98.6	98.6	98.9	99.5	99.8
GE	400	93.7	94.6	95.4	96.3	97.5	97.5	97.9	97.9	97.9	98.2	98.6	98.6	98.6	98.9	99.5	99.8
Œ	300		94.6	95.4	96.3	97.5	97.5	97.9	97.9	97.9	98.2	98.6	98.6	98.6	98.9	99.5	99.5
GE	500	93.7	94.6	95.4	96.3	97.7	97.7	98.0	96.0	98.0	98.3	98.8 98.8	98.8 98.8	98.8 98.8	99.1	99.7 99.7	100.0
GE	100	93.7	94.6	95.4	96.3	97.7	97.7	98.0	98.0	98.0	98.3	V5.5	¥5.5	¥6.8	99,1	YY .i	100.0
GE	000	93.7	94.6	95.4	96.3	97.7	97.7	98.0	98.0	98.0	98.3	98.8	98.8	98.8	99.1	99.7	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION HAME: DUGHAY PROVING GROUNDS UT STATION NUMBER: 690110 PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: FEG HOURS: 06-08 VISIBILITY IN STATUTE HILES CEILING GE GE GE GΕ GE IN GE GE GE 1 1/2 1 1/4 1 4 3 2 1/2 5 3/4 5/8 1/2 FEET 3/8 1/4 0 57.6 55.9 56.5 56.8 56.9 57.4 57.4 57.4 57.4 57.4 57.4 57.6 57.6 NO CEIL 57.6 58.1 58.3 58.8 59.3 59.3 59.3 59.3 59.3 59.3 59.5 59.5 59.5 59.5 GF 20000 57.8 58.4 58.8 60.0 60.2 59.4 59.0 59.4 59.4 59.4 59.4 GE 18000 59.7 58.9 59.4 59.7 59.7 59.7 58.0 58.6 60.1 60.4 59.6 59.6 59.6 GE 16000 58.1 58.8 59.1 59.1 59.6 59.6 59.6 59.8 59.8 59.8 59.8 60.3 60.5 60.1 60.6 60.6 60.6 GE 14000 59.1 59.7 60.0 60.6 60.6 60.6 60.8 8.03 60.8 60.8 61.3 61.5 GE 12000 63.6 64.4 65.1 64.4 64.8 70.0 68.9 70.0 70.0 70.0 70.0 70.0 70.2 70.2 70.2 70.2 70.7 GE 10000 68.0 69.3 69.5 70.9 71.7 72.2 GE 9000 70.2 71.1 71.5 72.2 72.2 72.2 72.2 72.2 72.5 72.5 72.5 72.5 73.0 73.2 75.3 GE 8000 73.4 74.2 74.7 74.8 75.3 75.3 75.3 75.3 75.3 75.6 75.6 75.6 75.6 76.1 76.3 77.6 77.8 79.3 GΕ 7000 76.3 77.2 78.3 78.3 78.3 78.3 78.3 78.3 78.5 78.5 78.5 78.5 79.1 81.4 81.4 81.4 81.4 81.4 81.6 81.6 81.6 GΕ 6000 79.3 80.6 80.7 81.6 82.1 85.3 86.3 87.1 5000 83.7 84.6 85.2 85.9 86.0 86.1 86.1 86.1 86.1 86.3 86.3 86.3 86.8 GΕ 87.2 87.2 87.2 88.0 ĢE 4500 84.7 85.6 . 86.1 86.4 87.1 87.1 87.2 87.4 87.4 87.4 87.4 88.2 GE 4000 86.5 87.4 88.1 88.3 89.0 89.0 89.1 89.1 89.1 89.1 89.5 89.5 89.5 89.5 90.0 90.3 90.6 3500 89.3 90.1 90.2 90.2 90.2 90.2 90.6 90.6 90.6 91.1 91.3 87.4 88.4 89.0 90.0 **GF** 91.2 92.4 92.5 92.6 92.6 92.6 92.6 93.0 93.0 93.5 93.8 3000 89.0 90.2 90.9 GE 90.4 92.8 93.1 93.1 93.1 93.2 93.5 93.5 93.5 93.5 2500 89.3 91.3 91.6 92.8 94.1 94.3 GE 91.0 94.4 94.6 GE 2000 89.8 92.2 92.6 93.9 94.0 94.4 94.4 95.0 95.0 95.0 95.0 95.5 95.7 94.6 91.0 94.1 94.6 94.7 94.8 95.2 95.2 95.2 95.2 95.7 1800 92.2 92.7 94.0 96.0 GE 89.8 94.6 95.1 95.1 95.2 95.4 94.4 95.7 92.5 93.0 95.7 95.7 95.7 96.3 96.5 Œ 1500 90.1 91.3 94.9 95.4 1200 90.2 91.4 92.5 93.1 95.5 95.7 96.0 96.0 96.0 96.6 96.8 96.5 96.7 97.1 97.1 97.1 97,1 97.6 97.9 Œ 1000 90.6 91.8 92.9 93.6 95.3 95.5 96.3 96.4 97.1 95.5 96.4 97.1 97.1 97.6 900 92.9 93.6 95.3 96.3 96.5 96.7 97.1 97.9 GΕ 90.6 01.A 95.5 96.6 97.0 97.4 95.7 96.7 96.8 97.4 97.4 97.4 97.9 98.2 800 90.6 91.9 93.2 93.8 G€ 97.1 97.8 98.3 90.6 93.4 95.8 96.9 97.0 97.3 97.8 97.8 97.8 98.6 700 91.9 94.1 96.0 ĢΕ 90.6 93.4 94.1 95.8 96.0 96.9 97.0 97,1 97.3 97.9 97.9 97.9 97.9 98.5 98.8 GE 600 91.9 97.2 90.6 91.9 94.1 96.1 96.3 97.3 97.4 97.6 98.2 98.2 98.3 98.3 98.9 99.2 GE 500 93.4 97.2 97,4 97.6 97.3 99.2 90.6 94.1 96.3 98.2 98.2 98.3 98.3 98.9 GE 400 91.9 93.4 96.1 90.6 94.1 96.1 300 91.9 93.4 96.3 97.2 97.3 97.4 97.6 98.3 98.3 98.5 98.5 99.1 99.4 GΕ 94.1 96.3 97.2 97.3 97.4 97.6 98.3 98.3 98.5 98.5 99.4 99.7 200 90.6 91.9 93.4 96.1 GE 97.2 97.3 97.6 94.1 96.1 96.3 98.3 98.3 98.5 98.5 99.5 100.0 GE 100 90.6 91.9 93.4 98,5 99.5 100.0 96.3 97.2 97.3 97.4 97.6 98.3 98.3 98.5 000 90.6 91.9 93.4 94.1 96.1

TOTAL NUMBER OF OBSERVATIONS 1314

D - 2 - 12

OPERATING LOCATION HAN USAFETAC, ASHEVI'L'S NO

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGLAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90

			LST	ידט טדנ	: + 7					MONT	H: FEB	HOURS	s: 09 -11	!		
CEILING		• • • • • • •			• • • • • •	VISIBIL	ITY IN	STATUT	E MILES	•••••	• • • • • •	• • • • • • •		•••••	• • • • • • • • • • • • • • • • • • •	• • • • • •
IN	GÉ	GE	GE	GE	GE	GE	GΕ	GΕ	GE	GE	GE	GE	GE	GE	GE	ĿΕ
FEET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
• • • • •		• • • • • •	•••••	• • • • • •	• • • • • •	• • • • • • •		•••••	• • • • • • •	•••••		· · · ·		• • • • • •	• • • • • •	· · · · · ·
NO CE	54.1	54.2	54.5	54.8	54.9	55.0	55.0	55.1	\$5.1	55.1	55.1	55.1	55.1	55.2	55.4	55.5
GE 2000	0 56.8	57.0	574.3	57.5	57.7	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.2	58.3
GE	7 56.8	57.0	57.3	57.5	57.7	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.2	58.3
GE		57.3	57.6	57.8	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.5	58.6
GE 1400		58.3	58.6	58.8	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.5	59.6
GE 1200	61.8	61.9	62.2	62.5	62.7	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.1	63.3
GE 1000	0 67.3	67.6	67.9	68.1	58.4	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.9	69.0
GE 900	69.8	70.1	70.4	70.6	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.4	71.5
GE 800	0 72.1	72.5	72.8	73.0	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.6	73.7	73.8	74.0
GE 700	0 75.1	75.5	75.8	76.0	76.3	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.9	77.0
GE 600	0 79.3	79.7	80.0	80.3	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	81.0	81.1	81.2	81.4
GE 500	0 84.1	84.5	84.8	85.1	85.5	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.9	86.0	86.1	86.3
GE 450	0 84.8	85.2	85.7	85.9	86.3	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.7	5.68	86.9	87.1
GE 400	0 87.0	87.4	87.8	88.1	88.7	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.3	89.4
GE 350	0 87.7	88.2	88.6	89.1	89.7	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.1	90.2	90.3	90.5
GE 300	0 89.4	89.9	90.4	90.8	91.8	91.9	92.0	92.2	92.2	92.2	92.2	9 2.2	92.3	92.4	92.6	92.8
GE 250	0 89.8	90.2	90.8	91.3	92.3	92.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.9	93.1	93.3
GE 200	0 90.1	90.5	91.4	91.9	93.2	93.3	93.5	93.7	93.7	93.7	93.8	93.8	93.9	93.9	94.2	94.3
GE 180	0 90.2	90.6	91.4	92.0	93.3	93.3	93.6	93.8	93.8	93.8	93.9	93.9	93.9	94.0	94.2	94.4
GE 150	0 90.3	90.8	91.6	92.4	93.9	93.9	94.3	94.7	94.7	94.8	94.8	94.8	94.9	95.0	95.2	95.3
GE 120	0 90.6	91.2	92.1	92.8	94.3	94.4	94.8	95.1	95.1	95.2	95.3	95.3	95.3	95.4	95.6	95.8
GE 100	0 91.1	91.8	92.7	93.6	95.3	95.6	95.9	96.5	96.5	96.7	96.7	96.7	96.8	96.9	97.1	97.3
GE 90		91.9	92.8	93.7	95.3	95.6	96.0	96.5	96.6	96.8	97.0	97.0	97.3	97.4	97.6	97.8
GE 80		91.9	93.0	93.9	95.6	95.9	96.2	96.7	96.8	97.0	97.2	97.2	97.5	97.6	97.9	98.0
GE 70		91.9	93.1	94.0	95.6	95.9	96.3	96.8	96.9	97.3	97.4	97.4	97.7	97.9	98.2	98.3
GE 60	0 91.2	91.9	93.1	94.0	95.8	96.1	96.5	97.0	97.1	97.5	97.6	97.6	98.2	98.4	98.6	98.7
GE 50	01 91.2	91.9	93.1	94.1	95.9	96.2	96.8	97.4	97.5	97.9	96.2	98.2	98.7	99.0	99.4	99.6
GE 40		91.9	93.1	94.1	95.9	96.2	96.9	97.5	97.6	97.9	98.2	98.2	98.7	99.1	99.6	99.7
GE 30		91.9	93.1	94.1	95.9	96.2	96.9	97.5	97.6	97.9	98.2	98.2	98.7	99.1	99.6	99.8
	0 91.2	91.9	93.1	94.	95.9	96.2	96.9	97.5	97.6	97.9	98.2	98.2	98.7	99.1	99.7	99.9
GE 10		91.9	93.1	94.1	95.9	96.2	96.9	97.5	97.6	97.9	98.2	98.2	98.7	99.1	99.7	100.0
	1					•										
GE NO	0 91.2	91.9	93.1	94.1	95.9	96 2	96.9	97.5	97.6	97.9	98.2	98.2	98.7	99.1	99.7	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: FEB HOURS: 12-14

				(2	1 10 01	U: 7 /					PILIN	H: FEB	HOUR	2: 12-1	14		
CEI	LING	• • • • • •	•••••	•••••	• • • • • •		VISIBI	LITY II	N STATU	E MILES	• • • • • • • • • • • • • • • • • • •	• • • • • • •	•••••	•••••	• • • • • • •	• • • • • •	•••••
II Fei		GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	G E 1/4	GE O
MO (CEIL	57.8	58.2	58.3	58.4	58.5	58.5	 58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6
									30.5		,,,,	34.5	30.0	,0.0	50.0	20.0	30.0
		61.2	61.6	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
	18000 16000		61.7	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
	14000	61.6	61.9 63.0	62.1 63.1	62.2 63.2	62.2 63.3	62.2 63.3	62.2 63.3	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3
	12000		65.3	65.4	65.5	65.6	65.6	65.6	63.3 65.6	63.3 65.6	63.4 65.7	63.4 65.7	63.4 65.7	63.4 65.7	63.4 65.7	63.4 65.7	63.4
•	12000	۵.,	٠,٠,٠	65.4	65.7	ω	0,0	0.00	65.0	07.0	33.7	03.7	65.7	63.7	63.7	63.7	65.7
GE	10000	68.1	68.4	68.7	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE	9000	70.4	70.8	71.0	71.1	71.2	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE	8000	73.4	73.8	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE	7000		75.9	76.4	76.5	76.6	76.6	76.7	76.7	7ć.7	76.7	76.7	76.7	76.7	7E.7	76.7	76.7
GE	6000)	78.5	78.9	79.4	79.6	79.7	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE	5000	83.2	83.8	84.2	84.4	84.6	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
		84.1	84.6	85.0	85.3	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE	4000	86.1	86.8	87.4	87.7	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
G€	3500	87.4	88.0	88.8	89.2	89.4	89,4	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE	3000	89.4	90.1	90.8	91.2	91.5	91.5	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE	25001	90.7	91.3	92.3	92.7	93.3	93.3	93.6	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE	2000		92.1	93.1	93.7	94.3	94.4	94.8	94.8	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0
GE	1800		92.1	93.3	93.9	94.5	94.6	95.0	95.0	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2
	1500		92.4	93.6	94.5	95.1	95.3	95.8	95.9	95.9	96.0	96.1	96.1	96.2	96.2	96.2	96.2
CE	1200	92.1	92.7	93.9	94.9	95.6	95.7	96.3	96.5	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9
GE	1000	92.6	93.3	94.7	95.9	96.6	96.8	97.3	97.5	97.6	97.8	98.0	98.0	98.1	93.1	98.1	98.1
GE	900	92.6	93.3	94.7	95.9	96.6	96.8	97.3	97.5	97.6	97.8	98.0	98.0	98.1	98.1	98.1	98.1
GE	800		93.3	94.8	96.0	96.7	96.9	97.4	97.6	97.7	97.9	98.2	98.2	98.3	98.3	98.3	98.3
GĒ	700		93.3	94.8	96.0	96.7	96.9	97.4	97.6	97.7	97.9	98.2	98.2	98.3	98.3	98.4	98.4
GE	600		93.3	94.8	76.0	97.0	97.2	97.7	97.9	98.0	98.3	98.6	98.6	98.7	98.7	98.8	98.8
^-	5001		A7 6	0/ 0	04.7	67.7	07.5	00.3	00.5	09.4	00 0	oo 7	~~ 7	~ (~ .	oo 7	~~ 7
GE		92.7	93.5 93.5	94.9	96.3 96.3	97.3 97.3	97.5 97.5	98.2 98.2	98.5 98.5	98.6 98.6	99.0 99.0	99.3 99.3	99.3 99.3	99.6 99.6	99.6 99.6	99.7 99.7	99.7 99.7
GE		92.7	93.5	94.9	96.3	97.3	97.5	98.2	98.5	98.6	99.0	99.3	99.3	99.6	99.6	99.7	99.7 99.7
GE		92.7	93.5	94.9	96.3	97.3	97.5	98.2	98.5	98.6	99.0	99.3	99.3	99.6	99.6	99.9	99.9
GE	100		93.5	94.9	96.3	97.3	97.5	98.2	98.5	98.6	99.0	99.3	99.3	99.6	99.6	99.9	100.0
		Ì															
GE	000	92.7	93.5	94.9	96.3	97.3	97.5	98.2	98.5	98.6	99.0	99.3	99.3	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1337

0 - 2 - 14

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: FEB HOURS: 15-17 CEILING VISIBILITY IN STATUTE MILES IN GE GE GE GF GE GE GE GF GE 7 5 4 3 2 1/2 2 1 1/2 1 1/4 3/4 FFET 6 • 5/8 1/2 3/8 1/6 n NO CEIL 58.0 58.3 58.3 58.3 58.3 58.3 58.3 58.3 58.3 58.3 58.3 58.3 58.3 58.3 58.3 \$8.3 60.7 60.8 60.8 GE 20000 60.4 60.7 60.7 60.7 60.7 60.7 60.7 60.8 60.7 60.8 60.8 60 8 60.8 GE 18000 60.4 60.7 60.7 60.7 60.7 60.7 60.7 60.7 60.7 60.8 60.8 8.06 60.8 60.8 60.8 60.8 GE 16000 60.6 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 61.0 61.0 61.0 61.0 61.0 61.0 61.0 GF 14000 61.8 61.8 61.9 61.9 61.5 61.8 61.8 61.8 61.8 61.8 61.8 61.9 61.9 61.9 51.9 61.9 GE 12000 63.6 63.8 63.8 63.8 63.8 63.8 63.8 63.8 63.8 63.9 63.9 63.9 63.9 63.9 63.9 63.9 10000 66.6 66.9 67.1 67.3 67.4 9000 GE 69.1 69.4 69.6 69.7 69.8 69.8 69.8 69.9 69.9 70.0 70.0 70.0 70.0 70.0 70.0 70.0 8000 i 71.9 72.3 72.8 72.9 73.0 73.0 73.0 73.0 73.0 73.1 73.1 73.1 73.1 73.1 73.1 GF 73.1 7000 74.6 75.5 75.7 79.6 74.3 75.3 75.4 79.3 75.5 75.7 GF 75.5 75.6 75.6 75.7 75.7 75.7 75.7 75.7 6000 77.9 79.0 70 4 70 5 79.6 GE 78.3 70 4 79.5 79.6 79.6 79.6 79.6 79.6 GE 5000 82.2 82.5 83.3 83.6 83.6 83.6 83.6 83.7 83.7 83.8 83.8 83.8 83.8 83.8 83.8 83.8 4500 83.3 83.7 84.5 84.8 84.9 84.9 84.9 84.9 84.9 85.0 85.0 85.0 85.0 85.0 85.0 85.0 GE 4000 87.3 87.8 88.6 88.8 88.9 88.9 88.9 89.0 89.0 89.1 89.1 89.1 89.1 89.1 89.1 89.1 GE 90.9 91.4 91.4 91.6 91.6 91.6 91.6 91.6 91.6 3500 91.4 91.5 GE 89.4 90.1 91.4 91.5 91.6 93.0 93.7 93.9 93.9 94.1 94.1 94.1 GΕ 3000 91.4 92.1 93.5 93.6 93.6 94.1 94.1 94.1 93.1 94.1 94.6 94.8 95.1 95.1 95.3 95.3 95.3 95.3 95.3 95.3 95.3 Œ 2500 92 4 94.8 94.9 96.5 96.6 96.7 96.9 96.9 96.9 95.6 96.2 96.9 GE 2000 93.9 94.6 96.5 96.7 96.9 96.9 96.9 96.8 97.0 97.0 GE 1800 94.0 94.7 95.7 96.3 96.6 96.6 96.7 96.8 97.0 97.0 97.0 97.0 97.0 97.1 GΕ 1500 94.2 95.1 96.1 96.7 97.1 97.2 97.7 97.7 97.9 97.9 97.9 97.9 97.9 97.5 97.9 94.2 97.8 1200 95.1 96.1 96.7 97.2 98.0 98.0 93.0 98.0 98.0 GE 97.6 98.5 97.1 97.5 97.5 98.1 98.3 98.5 98.5 98.5 98.5 98.5 98.5 1000 94.5 95.4 96.5 GE 98.5 97.5 98.5 98.5 900 94.5 95.4 97.6 98.1 98.3 98.5 98.5 98.5 98.5 96.5 97.1 97.5 GE 98.7 95.4 98.3 98.7 98.7 GE 800 94.5 96.5 97.1 97.5 97.5 97.7 98.5 98.7 98.7 98.7 98.7 GE 700 i 94.5 95.4 96.5 97.1 97.5 97.5 97.8 98.4 98.6 98.8 98.8 98.8 98.8 98.8 98.8 98.8 97.1 97.5 97.8 98.4 98.6 98.8 98.8 98.8 98.8 98.8 98.8 GE 600 94.5 96.5 98.8 99.3 95.7 97.7 98.3 99.0 99.2 99.3 99.3 99.4 99.4 99.4 99.6 500 96.8 98.0 98.0 GE 94.9 99.3 99.4 99.4 95.8 97.8 98.4 99.4 99.5 99.5 99.5 98.1 98.1 99.1 99.7 GE 400 i 95.0 96.9 99.4 99.4 99.3 99.4 99.5 300 95.0 95.8 96.9 97.8 98.1 98.1 98.4 99.1 99.5 99.5 99.7 99.3 99.4 99.4 200 95.0 95.8 96.9 97.8 98.1 98.1 98.4 99.1 99.4 99.5 99.5 99.5 100.0 GE 99.3 99.4 99.1 99.4 99.4 GE 100 95.0 95.8 96.9 97.8 98.1 98.1 98.4 99.5 99.5 99.5 100.6

TOTAL NUMBER OF OBSERVATIONS 1076

GF

000 95.0 95.8 96.9 97.8 98.1

99.1 99.3 99.4 99.4

98.1 98.4

99,4 99.5 99.5 99.5 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: FEB HOURS: 18-20 CEILING VISIBILITY IN STATUTE MILES GE GE 114 GE Œ GF GE GE GE GE FEET 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 0 1/4 NO CELL 65.3 65.3 65.3 65.3 65.3 GE 20000 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65 3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 GE 18000 45.3 65.3 45.3 65.3 65.3 65.3 65.3 65.3 65.3 55.3 65.3 65.3 65.3 65.3 65.3 65.3 GE 16000 65.3 65.3 45.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 67.0 67.0 GE 14000 47.0 67.0 67.0 A7.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0 GE 12000 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 59.0 69.0 69.0 GE 10000 72.1 72.1 ?2.1 72.1 72.1 72.1 72.1 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 9000 75.1 75.1 75.1 75.1 75.1 75.2 75.4 75.4 75.4 75.4 77.1 SE 75.2 75.4 75.4 75.4 75.4 75.4 GE 8000 76.8 76.8 76.8 77.0 77.0 77.1 77.1 77.1 77.1 77.1 76.8 76.8 77.1 77.1 77.1 79.6 83.2 79.6 79.6 83.2 79.8 83.3 79.8 83.3 79.6 79.6 79.9 GE 70001 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 GE 83.2 83.2 6000 83.2 93.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 87.6 87.8 GE 5000 87.5 87.5 87.5 87.5 87.5 87.6 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 GΕ 4500 89.2 89.2 89.5 89.5 89.5 89.7 89.7 89.8 89.8 89.8 89.8 8.28 89.8 80,8 89.8 80.8 91.9 91.9 92.3 92.2 92.3 92.3 92.5 GE 4000 92.2 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 93.4 GE 3500 93.1 93.1 93.4 93.4 93.5 93.5 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 95.6 95.9 25.9 95.9 96.0 95.0 GF 3000 95.4 96.2 96.2 96.2 96.2 96.2 ₹6.2 96.2 96.2 96.2 97.2 97.2 97.2 97.3 97.3 96.6 GE 2500 96.9 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.9 2000 97.6 98.4 98.4 98.4 98.5 98.7 99.0 99.0 99.0 99.0 99.0 99.0 99.0 GŁ 99.0 99.0 96.4 99.0 99.0 99.0 GE 1800 97.6 97.9 98.4 98.4 98.5 98.7 99.0 99.0 99.0 99.0 99.0 99.0 GΕ 1500 97.6 97.9 98.4 98.4 98.4 98.5 98.7 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 97.9 98.4 98.5 98.7 99.0 99.0 99.0 99.0 1200 97.6 98.4 98.4 99.0 99.0 9.0 99.0 98.8 GE 1000 97.6 96.1 98.5 98.7 98.7 99.1 99.4 99.4 99.4 99.4 99.4 99.6 99.4 90.4 99.4 GE GE 900 800 97.6 98.1 98.1 98.7 98.8 99.1 99.4 99.4 99.4 99.4 98.7 99.4 99.4 99.4 98.5 99.4 99.6 98.5 97.6 98.7 98.7 99.4 99.4 99.4 98.8 99.1 99.4 99.4 99.4 99.4 99.4 99.6 98.7 99.4 GΕ 700 97.6 98.1 98.5 98.7 98.8 99.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.6 99.1 99.4 99.4 99.4 600 97.6 98.1 98.7 98.7 98.8 99.4 99.6 99.4 97.6 99.4 99.6 GE 500 98.1 98.5 98.7 98.7 98.8 99.1 99.4 99.4 99.4 49.4 99.4 99.4 GΕ 400 97.6 98.1 98.5 98.7 98.7 98.8 99.1 00 A 99.4 99.4 90 4 99.6 99.6 99.6 99.7 99.7 99.4 97.6 98.5 98.7 98.7 98.8 99.1 99,4 99.4 98.1 99.4 99.4 99.6 99.6 GE 300 99.6 200 98.7 99.4 99.6 GE 97.6 98.1 98.5 98.7 98.8 99.1 99.4 99.4 99.4 99.4 99.6 99.6 99.7 99.1 99.4 99.4 99.6 GE 100 97.6 98.1 98.5 98.7 98.7 98.3 99.4 99.4 99.4 99.6 99.6 100.0 98.1 98.5 98.7 98.7 98.8 99.1 99.4 99.4 99.4 Œ 000 97.6 99.4 99.4 99.6 99.6 99.6 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TG UYC: + 7 MONTH: FEB HOLIRS: 21-23

				LST	TO UT	:: + 7					MONT	H: FEB	HOURS	: 21-23	}		
CEIL	ING	• • • • • •	• • • • • •	• • • • • • •	• • • • • •		VISIBIL	ITY IN	STATUT	E MILES	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	•••••
IN		Ģ€	GE	GE	GE	GE	GE	Gξ	GE	GE	GE	GE	GE	GΕ	GE	GE	GE
FEE	T j	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO C	e:	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
			07.0	-		٥,,٢	٠٠.٤	٠,.٠	07.2	٠,.٠	07.12		07.2	٥,.٢	٠,	٥,.٢	٥,,,
	0000	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
	8000	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
	6000 4000	70.4	69.0	69.2 70.6	69.2 70.6	69.2 70.6	69.2 70.6	69.2 70.6	69.2 70.6	69.2 70.6	69.2 70.6	69.2 70.6	69.2 70.6	69.2 70.6	69.2	69.2	69.2
	2000	72.8	70.4 72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	70.6 72.9	70.6 72.9	70.6 72.9
GF 1	0000	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
	90001	-	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
		83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
		83.8	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE	6000	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
	5000	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
	4500		92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
	4000		94.4	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
	3500 j		96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4 97.3	96.4 97.3
GΞ	3000	96.8 I	97.0	97.1	9 7.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	47.3	97.3
GE	2500	97.6	97.8	98.U	98.0	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
	2000	98.3	98.5	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
	1800	98.3	98.5	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
	1500		98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
ĢE	1200	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99. 5	99.5	99.5	99.5	99.5	99.5
GE	1000	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	94.5	99.5	99.5
GE	900	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	800	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.7
GE	700		98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.7	100.0
GE	600	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	9 9.5	99.5	99.5	99.7	100.0
GE	500		98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.7	100.0
GE	400		98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.7	100.0
GE	300	98.5	98.6	99.2	99.2	29.3	99.3	99.3	99.3	79.3	99.5	99.5 99.5	99.5 99.5	99.5 99.5	99.5 99.5	99.7 99.7	100.0
GE GE	200	98.5 98.5	98.6 98.6	99.2 99.2	99.2 99.2	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.5 99.5	99.5	99.5	99.5	99.5	99.7	100.0
UE	100	70. 7	70.0							–							
GE	000	98.5	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.7	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: FEB HOURS: ALL CEILING VISIBILITY IN STATUTE MILES Œ GF GE GE GE IM GE GE GE GE FEET 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 60.5 NO CEIL 60.2 60.6 60.7 60.8 60.9 60.9 60.9 60.9 60.9 61.0 61.0 61.0 61.0 61.2 61.3 GE 20000 61.0 62.5 62.6 62.6 62.2 62.4 42.6 42 7 62.7 62.7 62.7 62.7 62.7 62.8 GE 18000 62.0 62.3 62.4 62.5 62.7 62.7 62.7 62.7 62.7 62.8 8.58 62.8 62.8 62.8 63.1 63.1 GE 16000 62.9 62.1 62.4 62.6 62.7 8.56 62.8 62.8 62.9 62.9 62.9 62.9 62.9 63.0 63.2 63.3 GE 14000 63.1 63.4 63.6 63.8 63.7 63.8 63.9 63.9 63.9 63.9 64.0 64.0 64.0 64.0 84.2 64.3 GE 12000 65.9 66.2 66.4 66.5 66.6 66.6 66.6 66.7 66.7 66.7 66.8 66.8 66.8 66.8 67.0 67.1 GE 10000 70.2 70.6 71.2 70.8 71.0 71.2 71.2 71.2 71.2 71.3 71.3 71.3 71.3 71.4 71,7 71.6 9000 72.6 72.9 73.2 73.3 73.5 73.5 73.5 73.6 73.6 73.6 73.7 73.7 73.7 73.7 73.9 74.0 8000 75.4 75.8 76.1 76.4 76.4 76.5 76.5 ĠΕ 75.2 76.5 76.6 76.6 76.6 76.6 76.6 76.9 76.9 79.1 ĞĒ 7000 77.9 78.3 78.6 78.8 79.0 79.0 79.0 79.1 79.1 79.2 79.2 79.5 79.2 79.2 79.5 82.4 GE 6000 81.9 82.8 81.2 81.6 82.1 82.4 82.4 82.5 82.5 82.5 82.6 82.6 82.6 82.6 82.9 85.5 5000 85.9 86.9 86.9 86.9 87.0 87.0 GE 86.3 86.5 86.8 85.8 87.0 87.0 87.1 87.3 87.4 GE 4500 86.5 86.9 87.4 87.6 87.9 87.9 88.0 88.0 88.0 88.1 88.1 88.1 88.1 88.2 88.4 88.5 89.1 88.6 89.6 90.2 90.3 GE 4000 39.8 90.2 90.3 90.3 90.4 90.5 90.5 90.5 90.7 90.5 90.8 89.8 91.2 91.6 91.6 91.7 91.7 3500 90.9 91.7 GE 90.3 91.8 91.9 91.9 91.9 92.0 92.2 92.3 92.6 GE 3000 91.4 92.0 93.0 93.5 93.6 93.7 93.8 93.8 93.8 93.9 93.9 94.0 94.0 94.3 94.2 ĢĒ 2500 92.2 92.8 93.5 93.9 94.5 94.5 94.6 94.7 94.7 94.8 94.9 94.9 94.9 95.0 95.2 95.3 GE 2000 92.9 93.5 94.3 94.8 95,5 95.6 95.8 95.9 95.9 96.0 96.1 96.1 96.2 96.2 96.4 96.5 94.4 1800 92.9 93.6 94.9 95.6 95.7 95.9 96.0 96.0 96.1 96.3 96.3 Œ 96.3 96.3 96.5 96.6 1500 94.6 95.2 96.1 96.6 96.7 GE 93.1 93.8 96.0 96.4 96.6 96.8 96.8 96.9 95.9 97.1 97.2 97.1 1200 93.2 93.9 94.8 95.4 96.3 96.6 96.8 97.0 97.1 97.2 97.4 97.5 GΕ 1000 93.5 94.3 95.2 95.9 96.8 96.9 97.2 97.5 97.6 97.7 97.9 97.9 97.9 97.9 48.2 98.3 97.6 95.2 97.5 GE 900 93.5 94.3 95.9 96.8 96.9 97.3 97.8 97.9 97.9 98.0 98.3 96.1 98.4 95.3 97.0 97.7 97,9 800 94.3 96.9 97.4 97.7 ĢΕ 93.6 96.0 98.1 98.1 98.2 96.2 98.5 98.6 93.6 94.3 700 95.3 96.1 97.0 97.2 97.5 97.9 97.9 98.1 98.3 98.3 98.4 98.7 98.9 93.5 97.9 GΕ 600 93.6 95.3 96.1 97.1 97.3 97.7 98.0 98.2 98.4 98.4 98.6 ₹8.6 98.9 99.1 93.6 94.4 97.5 97.9 98.2 98.3 98.5 99.6 GE 95.4 96.3 97.3 98.8 98.8 99.0 90 4 500 99.1 97.5 GE 400 93.7 94.4 95.4 96.3 97.4 98.0 98.3 98.4 98.6 98.8 98.8 99.0 99.1 99.4 99.7 99.1 300 93.7 94.4 95.4 96.3 97.4 97.5 98.0 98.3 98.4 98.6 98.9 99.2 99.5 99.7 98.9 GE 200 93.7 94.4 75.4 96.3 97.4 97.5 98.0 98.3 98.4 98.6 98.9 98.9 99.1 99.2 99.6 99.9 93.7 97.4 97.5 CA.3 98.9 99.1 GF 100 96.3 98.0 98.4 98.6 98.9 99.2 99.6 100.0 99. 000 93.7 94.4 95.4 96.3 97.4 97.5 98.0 98.3 98.4 98.6 98.9 98.9 99.2 99.6 100.0 GE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: DUGWAY PROVING GROUNDS UT STATION NUMBER: 690110 PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: MAR HOURS: 00-02 CEILING VISIBILITY IN STATUTE MILES 1 N Œ Œ GE GE GE GE GE GE GE G€ 1 1/2 1 1/4 1 3/4 5/8 5 4 3 2 1/2 FEET 1/2 3/8 1/4 ٥ GE 20000 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 GE 18000| 76.8 76.3 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 GE 16000 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 79.0 79.0 79.0 79.0 79.0 79.0 79.0 GE 14000 I 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 GE 12000 80.5 80,5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 GE 10000 83.8 83.8 83.8 83.8 83.8 83.8 33.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 GE 9000 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 8000 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 GE 85.4 85.4 85.4 7000 86.1 86.1 86.1 86.1 86.1 86.1 86.1 CF 86.1 86.1 86.1 86.1 86.1 86.1 86.1 86 1 86.1 GE 60001 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 86.0 88.0 88.0 88.0 88.0 88.0 GE 5000 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 45001 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 Œ 91.9 93.1 93.1 93.1 4000 93.1 73.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 \$3.1 GΕ 93.1 93.1 94.6 94.6 94.6 94.6 ĠE 3500 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 95.9 95.9 95.9 95.9 3000 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.0 95.9 95.9 97.3 97.3 97.3 97.3 97.3 GE 2500 f 97.1 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.6 97.6 97.8 97.8 98.0 98.0 98.0 98.0 98.0 98.0 2000 | 97.8 97.8 98.0 98.0 98.0 97.5 GE 97.6 97.8 98.0 98.0 1800 97.5 97.6 97.8 97.8 97.8 98.0 96.0 98.0 98,0 98.0 98.0 98.0 GE 1500 97.8 98.0 98.1 98.3 98.3 98.3 98.3 98.5 98.5 98.6 98.6 98.6 98.6 98.6 98.6 98.6 97.8 98.0 98.1 98.3 98.3 98.5 98.6 98.8 98.8 99.0 99.0 99.0 99.0 99.0 99.0 99.0 1200 GF 1000 i 95.0 98.1 98.3 98.5 98.5 98.6 99.0 99.2 99.2 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.5 99.3 99.5 98.3 99.2 99.2 99.3 99.5 99.5 GE 900 98.0 98.1 98.5 98.5 98.6 99.0 99.5 99.3 99.3 99.5 99.5 800 98.0 98.1 98.3 98.5 98.5 ¥3.6 99.0 99.2 99.2 99.3 99.5 700 j 98.3 98.5 98.5 98.6 99.0 99.2 99.2 99.3 99.3 99.3 99.5 99.5 99.5 99.5 GE 98.0 98.1 99.3 100.0 96.0 98.1 98.3 98.5 98.5 8.89 99.0 99.7 100.0 100.0 GE 600 99.3 99.3 99.5 99.7 100.0 100.0 100.0 98.1 98.3 99.0 99.2 99.2 GE 500 1 98.0 98.5 98.5 98.6 99.2 99.2 99.5 99.7 100.0 100.0 100.0 400 98.0 98.1 98.3 98.5 98.5 98.6 99.0 99.3 99.3 300 98.0 98.1 98.3 98.5 98.5 98.6 99.0 99.2 99.2 99.3 99.3 99.5 99.7 100.0 100.0 100.0 99.0 99.2 99.2 99.3 98.5 99.3 99.5 99.7 100.0 100.0 100.0 200 98.0 98.1 98.3 98.5 98.6 GE 98.3 99.3 99.3 99.5 99.7 100.0 100.0 100.0 98.0 98.1 98.5 98.5 98.6 99.0 99.2 100 000 98.0 98.1 98.3 98.5 98.6 99.0 99.2 99.2 99.3 99.3 99.5 99.7 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS U? PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: MAR HOURS: 03-05 CETLING VISIRIL!TY IN STATUTE MILES GΕ Œ GE GE T M GE. GF GE GE GE GE GE GE GE Œ 2 1/2 1 1/2 1 1/4 FEET 6 4 3 2 1 3/4 5/8 1/2 3/8 1/4 Ω 74.5 74.5 74.5 74.6 74.6 74.6 74.6 NO CEIL 74.3 74.6 74.6 74.6 74.6 74.6 74.6 74.7 74.6 74.7 GE 20000 74.5 7/ ... 74.6 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.9 74.9 74.7 74.7 GE 18000 74.5 74.6 74.5 74.6 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.9 74.9 74.7 74.7 GE 16000 74.5 74.6 74.6 74.6 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.9 74.9 GE 14000 75.8 75.9 3.9 75.9 76.0 76.0 76.0 76.0 76.0 76.0 76.0 76.0 76.0 76.0 76.2 76.2 GE 12000 79.4 79.5 79.5 79.5 79.5 79.5 79.7 79.2 79.5 79.5 79.5 79 5 79.5 79.7 84.4 84.8 GE 10000 84.6 84.6 84.6 84.7 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 85.0 85.0 85.4 GE 9000 85.3 85.4 85.4 85.6 85.7 85.7 85.7 85.7 85.7 85.7 85.7 85,7 85.7 85.9 85.9 G€ 8000 87.6 87.7 87.7 87.7 87.9 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.2 86.2 88.5 88.ú 88.7 88.7 88.9 88.9 89.2 GF 7000 88,2 68.5 88.5 88 7 88 7 AR 7 RR 7 **AR 7** 80 2 89.8 GE 6000 89.2 89.5 80.5 80.5 89.6 89.8 89.8 89.8 89.8 80 B 89.8 80 0 RO O 90.2 90.2 92.6 92.6 92.8 93.1 GE 5600 91.9 92.2 92.4 92.4 92.5 92.6 92.6 92.6 92.6 92.6 92.8 93.1 92.5 93.1 93.4 93.4 93.4 93.4 93.4 92.8 93.1 93.2 93.4 93.4 93.5 93.5 93.8 93.8 4500 GΕ 93.8 92.9 93.5 94.1 ≈.1 95.5 94.1 94.1 94.1 94.2 94.2 94.5 94.5 GE 4000 93.2 93.7 94.1 94.1 95.5 GE 3500 94.2 94.5 94.9 95.1 95.2 95.5 95.5 95.5 95.5 95.5 95.7 95.7 96.0 96.0 95.4 96.7 97.1 97.1 300C 95.7 96.1 96.4 96.7 96.7 96.7 96.7 96.8 96.8 97.0 97.3 97 3 97.3 97.3 97.5 97.5 27.8 97.8 96.0 96.2 96.7 96.8 97.3 97.3 97.3 GE 2500 97.5 97.0 97.3 97.3 97.3 97.3 2000 96.0 96.7 96.8 97.3 97.3 97.3 97.5 97.8 97.8 GΕ 96.2 97.0 97.3 97.8 97.3 97.3 97.3 97.3 97.5 97.5 97.8 GΕ 1800 96.0 96.2 96.7 96.8 97.3 97 3 96.4 1500 97.1 97.3 97.5 97.8 97.8 97.8 97.8 97.8 97.8 97.8 98.1 98.1 78.4 28.4 GE 96.1 97.5 GE 1200 97.3 98.1 98.3 98.4 98.4 98.4 98.7 98.7 99.0 99.0 96.1 96.4 97.1 98.3 98.3 97.1 97.3 97.5 98.3 98.3 98.7 98.7 99.0 99.0 96.1 OR. 1 98.3 98.4 98.4 98 4 GE 1000 96.4 98.7 GE 900 96.4 96.7 97.5 97.7 98.0 98.6 98.7 98.7 98.8 98.8 98.8 99.6 99.6 99.9 99.9 97.5 97.7 98.8 99.6 99.6 98.0 98.6 98.7 98.7 98.7 98.8 98.8 99.9 99.9 GE 800 96.4 96.7 99.6 99.6 99.9 99.9 700 96.4 97.5 97.7 98.0 98.6 98.7 98.7 98.7 98.8 98.8 98.8 96.7 GE 98.0 99.7 99.7 97.7 98.7 98.8 99.0 100.0 100.0 GE 600 96.4 96.7 97.5 98.6 98.7 98.7 98.8 GE 96.7 97.5 97.7 98.0 98.6 98.7 98.7 98.7 98.8 98.8 99.0 99.7 99.7 100.0 100.0 500 96.4 98.8 99.7 GE 400 96.4 96.7 97.5 97.7 98.0 98.6 98.7 98.7 98.7 98.8 99.0 99.7 100.0 100.0 99.7 96.4 97.5 97.7 98.0 99.7 300 98.6 98.7 98.7 98.7 98.8 98.8 99.0 100.0 100.0 96.7 GE 98.0 98.6 98.7 98.8 98.8 99.7 99.7 100.0 100.0 Œ 200 96.4 96.7 97.5 97.7 98.7 98.7 99.0 100 96.4 96.7 97.5 97.7 98.0 98.6 98.7 98.7 98.7 98.8 98.8 99.0 99.7 99.7 100.0 100.0 96.7 97.5 97.7 98.0 98.6 98.7 98.7 98.7 98.8 98.8 99.7 99.7 100.0 100.0 96.4 GE

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: MAR HOURS: 06-08 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE 2 1/2 2 1 1/2 1 1/4 GF GE GE GΕ G€ GE IN GE GF GF GE FEET 5 6 3 4 - 1 3/4 5/8 1/2 3/8 1/4 0 62.6 62.6 62.6 62.6 62.6 62.6 NO CETL 62.4 62.4 62.4 62.4 62.6 62.6 8.53 62.8 62.8 GE 20000 65.5 65.6 65.6 65.6 65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.9 65.9 65.9 66.0 GE 18000 65.9 66.0 66.0 66.0 56.2 66.2 66.2 66.2 66.2 66.2 66.2 óο.2 66.3 66.3 66.3 66.4 GE 16000 66.0 66.1 66.1 66.3 66.3 66.3 66.1 66.3 66.3 66.3 66.3 66.3 66.4 66.4 66.4 66.5 GE 14000 67.7 67.8 67.8 68.0 68.0 67.8 68.0 68.0 68.0 68.1 63.0 68.0 68.0 68.1 68.1 68.2 71.1 GE 12000 71.1 71.1 71.4 71.4 71.1 75.4 71.4 71.4 71.4 71.6 71.4 71.5 71.5 71.5 71.6 77.0 77.1 77.4 GE 10000 77.2 77.2 77.4 77.4 77.4 77.4 77.5 77.5 77.6 77.7 79.6 79.6 79.8 GE 9000 79.2 79.3 79.4 79.4 79.6 79.6 79.6 79.6 79.6 79.6 79.8 79.8 79.8 GΕ 8000 82.2 82.2 82.3 82.3 82.5 82.5 82.5 82.5 82.5 82.6 82.6 82.6 82.7 82.7 82.7 82.8 84.6 84.6 7000 84.4 84.5 84.9 84.9 84.9 84.9 84.9 84.9 84.9 25.1 GE 85.1 85.1 GE 6000 87.2 87.3 87.3 87.3 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.9 87.9 87.9 GE 50001 89.3 89.4 89.5 89.5 90.1 96.1 90.1 90.1 90.1 90.1 90.1 90.1 90.3 90.3 90.3 89.7 89.9 90.0 90.0 90.5 90.5 90.6 90.6 4500 90.5 90.5 90.6 90.7 GF 90.5 90.7 90.7 90.8 92.7 91.7 91.9 91.9 92.5 92.6 GE 4000 91.5 92.6 92.6 92.6 92.7 92.7 92.8 92.8 92.8 92.9 93.4 GE 3500 92.2 92.4 92.6 92.7 93.3 93.4 93.4 93.4 93.4 93.4 93.4 93.6 93.6 93.6 93.6 GE 3000 93.2 93.4 93.6 93.8 94.4 94.5 94.6 94.6 94.7 94.7 95.6 2500 94.0 94.9 95.5 95.9 96.2 GF 94.2 94.7 95.7 95.7 95.7 95.9 95.9 96.0 96.0 96.1 GE 2000 94.4 94.7 95.1 95.3 96.0 96.1 96.2 96.2 96.2 96.4 96.4 96.4 96.6 96.6 96.7 96.8 94.4 96.0 96.4 1800 95.3 96.1 96.4 96.6 96.7 GÉ 94.7 95.1 96.2 96.2 96.2 94.4 96.6 96.8 **~** 97.1 97.1 97.1 97.3 97.3 1500 94.7 94.9 95.5 95.9 96.6 96.7 96.8 96.8 97.5 GE 96.8 97.5 94.7 GE 1200 94.9 95.5 96.0 96.7 96.8 97.0 97.0 97.0 97.5 97.5 97.5 97.7 97.7 97.0 97.9 GE 1000 94.8 95.0 95.7 96.2 97.1 97.1 97.3 97.3 97.3 97.9 97.9 97.9 98.4 98.4 98.6 GE 900 95.1 95.9 96.4 97.3 97.3 97.5 97.5 97.5 98.1 98.7 94.9 98.1 98.1 98.7 98.8 98.9 8.89 GE 800 94.9 95.1 96.0 96.4 07.4 97.5 97.7 97.7 97.7 98.3 98.3 98.3 98.8 99.0 99.0 700 94.9 95.1 96.4 97.4 97.5 97.7 97.7 97.7 98.3 98.3 98.3 98.8 98.8 99.1 GE 96.0 94.9 97.5 97.5 97.7 97.8 97.8 98.4 99.0 99.0 99.2 GE 600 95.1 96.0 96.5 98.4 98.4 99.3 97.5 99.1 96.0 97.5 97.8 98.4 98.5 99.1 99.5 GE 500 94.9 95.1 96.5 97.7 97.8 98.4 99.7 GE 400 94.9 95.1 96.0 96.5 97.5 97.5 97.7 y7 8 97.8 98.4 98.4 98.5 99,1 99,1 99.5 99.7 300 94.9 95.1 96.0 96.5 97.5 97.5 97.7 97.8 97.8 98.4 98.4 98.5 99.1 99,1 99.5 99.7 GΕ 97.8 96.5 97.5 97.5 97.7 97.8 98.6 99.2 99.2 99.8 GΕ 200 94.9 95.1 96.0 98.6 98.6 99.7 95.1 96.0 97.8 97.8 100.0 100 94.9 96.5 98.6 98.6 98.6 GE 95.1 96.0 96.5 97.5 97.5 97.7 97.8 97.8 98.6 98.6 98.6 99.2 99.2 99.7 100.0 GE 000 94.9

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: MAR HOURS: 09-11 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE GΕ GE GE GΕ GΕ FEET 7 6 5 4 3 2 1/2 1 1/2 1 1/4 2 1 3/4 5/8 1/2 3/8 1/4 0 NO CEIL 61.7 61.7 61.7 61.8 61.8 61.8 61.8 61.8 61.8 61.8 61.8 61.8 61.8 61.8 61.9 GE 200001 66.5 66.5 66.6 66.6 66.6 66.6 66.6 66.6 66.6 66.6 66.6 66.6 66.6 66.6 66.6 GE 18000 66.8 66.8 66.9 66.9 66.9 66.9 65.8 66.9 66.9 66.9 66.9 66.9 66,9 66.9 66.9 67.0 GE 16000 67.2 67.2 67.2 67.3 67.3 67.3 67.3 67.3 67.3 67.3 67.3 67.3 67.3 67.3 67.3 67.3 GE 14000 69.5 69.4 69.4 69.4 69.5 69.5 69.5 69.5 69.5 69.5 69.5 69.5 69.5 69.5 69.5 69.5 GE 12000. 73.2 73.2 73.2 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.4 78.4 78.5 78.5 GE 10000 78.4 78.4 78.5 78.5 78.5 78.5 78.5 78.5 78.5 78.5 78.5 78.5 78.6 80.0 GF 9000 80.0 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.2 GΕ 8000 81.9 81.9 81.9 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 0.58 82.0 82.0 82.1 83.5 83.5 GE 7000 83.3 83.3 83.4 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.6 GE 6000 85.4 85.4 85.6 85.7 85.7 85.7 85.7 85.7 85.8 GΕ 5000 88.3 88.3 88.4 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.6 88.7 89.2 89.2 89.2 89.2 89.2 GΕ 4500 89.0 89.0 89.1 89.2 89.2 89.2 89.2 89.2 89.2 89.4 89.3 91.5 92.7 GΕ 4000 90.7 90.7 90.8 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.1 92.4 92.5 92.7 92.7 92.7 GF 3500 92.4 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.8 GE 3000 93.8 94.3 94.3 94.4 94.6 93.8 94.0 94.3 94.5 94.5 94.5 94.5 94.5 94.5 25:00 GE 94.7 94.7 95.0 95.3 95.4 95.4 95.5 95.5 95.5 ი5.6 95.6 95.6 95.6 95.6 95.6 95.7 95.3 Œ 2000 95.2 95.7 96.0 96.1 96.1 96.3 96.3 96.3 96.4 96.4 96.4 56.2 96.4 96.4 96.5 GE 1800 95.2 95.3 95.7 96.0 96.1 96.1 96.3 96.4 96.4 96.4 96.4 96.4 96.4 96.6 96.4 96.5 95.7 1500 95.8 96.4 97.0 97.0 97.2 97.3 97.3 97.4 97.4 97.5 GE 96.8 97.4 97.4 97.6 97.7 97.0 GE 95.8 97.2 97.6 1200 95.7 96.6 97.2 97.5 97.5 97.6 97.6 97.6 97.8 97.9 96.2 97.1 97.4 97.7 97.7 98.1 98.2 98.2 GΕ 1000 96.1 98.0 0.89 98.2 98.4 98.£ 98.9 8.89 97.2 97.6 97.8 98.4 98.7 97.8 96.2 96.3 98.2 98.2 98.3 98.8 GΕ 900 98.4 98.4 98.6 99.0 99.1 96.3 97.6 96.2 98.1 98.5 GΕ 500 j 97.2 98.6 59.3 98.1 98.4 98.7 98.7 98.9 99.1 99.4 96.3 GE 700 96.2 97.2 97.6 98.1 98.1 78.4 98.5 98.6 98.8 98.8 98.8 99.0 99.2 92.4 99.6 ĞΞ 600 96.3 97.2 97.6 98.1 98.1 98.4 98.6 98.3 98.8 98.8 99.1 99.5 99.7 97.2 97.6 98.1 GE 500 96.2 96.3 98.1 98.4 98.5 8.69 98.3 98.8 98.8 99.1 99.3 99.5 99.7 97.6 GE 97.2 98.1 98.1 400 96.2 96.3 98.4 98.5 98.6 98.8 98.8 98.8 99.1 99.3 99.6 99.8 97.6 97.2 98.1 96.5 GE 300 96.2 96.3 98.1 98.4 \$8.6 8.89 98.8 98.8 99.1 99.3 99.6 99.9 Œ 200 96.2 96.3 97.2 97.6 90.1 98.1 98.4 98.5 98 6 98.8 98.8 98.8 99.1 99.6 90.9 99.3 97.2 97.6 100 96.2 96.3 98.1 98.6 98.8 GE 98.1 98.4 98.5 98.8 98.8 99.1 99.3 99.6 100.0 000 96.2 96.3 97.2 97.6 98.1 98.1 GE 98.4 98.5 98.6 98.8 98.8 98.8 *>*9.1 99.3 99.5 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: MAR HOLERS: 12-14

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	H [GE	GE	Œ	GE	GE	GE	GE	GE	GE TILES	GE	GE	GE	GE	ĞĒ	GE	GE
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			(O.F	40 F	. A . F		/A =	40.5	40.5	40.0		40.5	/A F				
æŲ	CEIL	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
Œ	20000	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	34.5	64.8	64.8	64.8
	18000	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	5.3د	65.3	65.3	65.3
	16000	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
	14000	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68. 5	68.3
GE	12000	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE	10000	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE	9000	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE	8000	76.5	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
Œ	7000	77.8	77.9	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GΕ	6000	B1.1	81.3	81.5	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE	50001	86.0	86.2	86.5	86.5	86.6	86.6	86.7	86.9	86.9	36.9	86.9	86.9	86.9	86.9	86.9	86.9
GE	4500	87.1	87.3	87.6	87.6	87.8	87.8	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE	4000	89.7	89.9	90.3	90.3	90.4	90.4	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
G€	3500	91.2	91.4	91.8	91.8	91.9	91.9	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GΕ	30CJ	93.4	93.5	94.2	94.3	94.5	94.5	94.7	94.9	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.1
GE	2500	94.9	95.1	95.8	95.9	96.1	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7
G.	2006	95.8	96.0	96.8	96,9	97.1	97.1	97.4	97.6	97.6	97.7	97,7	97.7	97.8	97.8	97.8	97.8
Ģε	1803	95.8	96.0	96.8	96.9	97.1	97.1	97.5	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE	1500	96.2	96.3	97.3	97.3	97.5	97.6	98.0	98.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
ĞΕ	1200	96.3	96.4	97.5	97.5	97.7	97.8	98.2	98.5	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
GE	1000	96.6	96.7	97.7	97.8	98.0	98.1	98.6	98.8	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3
GΕ	900	96.6	96.7	97.7	97.8	98.0	98.1	98.6	98.8	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3
GE	600	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99.1	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6
GE	700	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99.1	99.2	99.4	99.5	99.5	99.7	99.7	99.7	99.7
G€	600	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99.1	99.2	99.4	99.5	99.5	99.8	99.9	99.9	99.9
GE	5001	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99.1	99.2	99.4	99.5	99.5	99.8	99.9	99.9	99.9
GE	4001		96.8	97.8	97.9	98.2	98.3	98.8	99.1	99.2	99.4	99.5	99.5	99.8	99.9	99.9	100.0
GE	1	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99,1	99.2	99.4	99.5	99.5	99.8	99.9	99.9	100.0
GE	200	90.6	96.8	97.8	97.9	98.2	98.3	98.8	99 1	99.2	99.4	99.5	99.5	99.8	99.9	99.9	100.0
GE	100	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99.1	79.2	99.4	99,5	99.5	99.8	99.9	99.9	100.0
GE	000	96.6	96.8	97.8	97.9	98.2	98.3	98.8	99.1	99.2	99.4	99.5	99.5	99.8	99,9	99.9	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM NOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: HAR HOURS: 15-17 LST TO UTC: + 7 CEILING VISIBILITY IN STATUTE MILES 1 M GE GE GE GE GΕ CE C.F GE 2 1/2 3/4 5 4 3 2 1 1/2 1 1/4 1 5/8 1/2 3/8 FEET 6 1/4 n 60.2 60.3 60.3 60.3 60.3 60.3 MO CEIL Í 60.2 60.2 60.3 60.3 60.3 60.3 60.3 60.3 60.3 60.3 GE 20000 62.3 62.3 62.3 42.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4 GE 18000 63.1 63.1 63.0 63.1 63.1 63.0 63.0 63.1 63.1 63.1 63.1 63.1 63.1 63.1 63.1 63.1 3E 16000 63.1 63.1 63.1 63.2 63.2 63.2 63.2 63.2 63.2 63.2 63.2 63.2 63.2 63.2 63.2 63.2 GE 14000 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.6 64.6 64.6 64.8 64.8 64.8 64.8 64.8 64.8 GE 12000 67.9 67.9 67.9 68.1 65.1 68.1 68.1 68.1 68.1 68.1 68.1 68.1 68.1 68.1 68.1 68.1 71.0 71.0 71.0 71.1 71.1 71.1 71.1 71.1 GE 10000 71.1 71.1 71.1 71.1 71.1 71.1 71.1 71.1 GE 9000 72.1 72.1 72.1 72.2 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 74.5 GΕ 8000 74.1 74.1 74.2 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 76.7 76.8 76.8 76.8 76.8 76.8 76.8 Œ 7000 76.3 76.3 76.5 76.8 76.8 76.8 76.8 76.8 76.8 81.4 GE 6000 80.9 80.9 81.1 81.3 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 87.8 87.8 87.8 87.8 87.8 87.7 87.8 87.8 87.8 ĢΕ 5000 86.7 86.8 87.1 87.5 87.6 87.6 87.8 88.7 GE 4500 87.6 87.7 88.1 58.4 85.5 88.6 88.6 83.7 83.7 83.7 88.7 88.7 88.7 88.7 88.7 91.4 91.4 91.6 91.6 91.6 91.6 4000 91.2 91.6 91.6 91.6 91.6 Œ 90.4 90.5 90.9 91.5 91.6 91.7 3500 91.9 92.2 92.5 92.7 92.7 92.9 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 GÉ 94.8 94.9 94.9 94.8 94.8 94.9 94.9 94.9 94.9 GΣ 3000 23.3 93.4 93.8 94.2 94.4 94.7 96.4 GE 2500 94.6 94.8 95.3 95.7 96.0 96.0 96.3 96.4 96.5 96.6 96.7 96.7 96.7 96.7 96.7 97.2 97.2 95.3 96.9 97.3 97.4 97.5 97.5 97.5 97.5 97.5 GE 2000 95.1 95.8 96.2 96.5 96.7 97.6 97.6 97.0 97.3 97.3 97.4 97.5 97.6 97.6 97.6 Œ 1800 95.1 95.3 95.8 96.2 96.5 96.7 97.1 97.5 97.8 97.8 97.9 98.0 98.1 98.1 98.1 98.1 98.1 1500 95.4 95.7 96.2 96.6 96.9 Œ 97.9 98.1 98.3 97.1 97.7 97.9 98.2 98.3 98.3 98.3 QR 3 1200 95.6 95.9 96.4 96:8 97.3 98.5 97.9 99.1 99.2 99.3 99.3 99.3 99.3 99.3 Œ 1000 96.0 96.3 97.0 97.5 98.1 98.8 98.8 99.3 99.3 99.3 98.1 98.8 98.8 99.1 99.2 99.3 99.3 Œ 900 96.0 96.3 97.0 97.5 97.9 98.5 97.0 99.5 96.3 97.5 97.9 98.1 98.5 99.0 99.0 99.3 99.4 99.5 99.5 99.5 99.5 Œ 800 96.0 99.0 99.3 99.4 99.5 99.5 97.5 96.1 98.5 99.0 99.5 99.5 99.5 GE 700 96.0 96.3 97.0 97.9 GE 600 96.0 97.0 97.5 97.9 98.1 98.5 99.0 99.1 99.4 99.5 99.6 99.6 99.7 99.7 99.7 99.6 99.8 96.0 97.0 97.5 97.9 98.1 98.5 99.1 99.2 99.5 99.7 99.8 99.8 99.8 GE 500 96.3 99.1 98.5 99.2 99.5 99.6 99.7 90.8 99.8 99.8 99.3 97.0 97.5 96.1 GE 400 96.0 96.3 97.9 1.79 99.8 300 96.0 96.3 97.0 97.5 97.9 º8.1 98.5 99.2 99.5 99.6 99.7 99.8 99.8 99.8 97.0 97.9 99.1 99.2 99.5 99.6 97.5 98.5 99.7 99.8 99.8 100.0 100.0 GE 200 96.0 96.3 98.1 99.2 99.6 99.8 96.0 97.0 97.5 97.9 98.1 **V8.5** 99.7 99.8 100.0 100.0 GF 100 99.1 99.2 99.5 99.6 99.7 99.8 99.8 100.0 100.0 GE د.69 96.0 96.5 97.0 97.5 97.9 98.1 98.3

TOTAL MUMBER OF OBSERVATIONS 1206

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: MAR HOURS: 18-20 EILIM IM CEILING VISIBILITY IN STATUTE MILES G.E GE GE GE GE 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 Ω 66.0 66.0 GE 20000 64.9 64.9 65.2 65.7 65.9 65.9 66.0 66.0 66.0 66.0 66.0 66.0 66.0 66.0 66.0 GE 18000 65.2 65.2 65.5 66.0 66.1 66.1 66.3 66.3 66.3 66.3 66.3 66.3 66.3 66.3 66.3 56.3 GE 16000 66.1 66.1 66.4 66.9 67.1 67.1 67.2 67.2 67.2 67.2 67.2 67.2 67.2 67.2 67.2 67.2 67.7 GE 14000 67.5 67.5 68.4 68.5 68.5 68.7 68.7 68.7 68.7 68.7 68.7 68.7 68.7 68.7 68.7 GE 12000 71.2 71.5 72.2 72.3 72.3 72.4 72.4 72.4 72.4 72.4 72.4 72.4 72.4 74.6 GE 10000 73.4 73.4 73.7 74.3 74.5 74.5 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 76.1 76.2 76.3 GF 9000 75.4 76.2 76.3 76.3 76.3 76.3 75.1 75.1 76.3 76.3 76.3 76.3 76.3 8900 78.9 GE 77.8 78.0 78.2 79.0 79.0 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.6 80.8 7000 79.7 80.0 80.6 80.8 80.9 80.9 80.9 80.9 80.9 80.9 80.9 80.9 80.9 80.9 85.8 GE 84.8 85.5 85.6 85.6 85.8 85.8 85.8 6000 84.3 84.5 85.8 85.8 85.8 85.8 85.8 85.8 92.2 GF 5000 L 90.9 91.1 91.5 92.3 92.5 92.7 92.7 92.7 92 7 92.7 92.7 92 7 92.7 92.7 92 7 91.5 92.2 92.9 93.0 4500 GE 91.8 93.1 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 95.6 95.6 95.6 95.5 95.6 GE 4000 93.1 93.7 94.1 94.8 95.2 95.3 75.6 95.6 95.6 95.6 95.6 3500 95.8 94.8 95.4 95.8 96.0 96.2 96.2 96.2 GE 94.4 96.2 96.2 96.2 96.2 96.2 96.2 96.2 GE 3000 94.6 95.2 95.6 96.2 96.6 96.8 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.2 97.0 97.6 GE 2500 95.0 97.6 97.6 97.7 95.6 96.0 96.6 97.8 97.8 97.8 97.8 97.8 97.8 GE 2000 95.2 95.7 96.4 97.0 97.4 97.6 98.0 98.0 98.0 95.1 98.3 98.3 98.3 98.3 98.3 98.3 GE 1800 95.2 95.7 96.4 \$7.0 97.4 97.6 98.0 98.0 98.0 98.3 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.7 97.0 GE 1500 95.2 95.7 96.4 97.4 97.6 98.1 98.1 98.1 98.5 98.5 98.5 98.5 98.5 98.5 CE 96.5 97.2 97.6 97.8 98.4 98.4 98.8 95.3 98.4 98.8 1200 95.8 8.89 98.8 98.8 98.8 97.2 97.8 95.3 97.6 GE 1000 95.8 96.5 98.4 98.4 98.4 98.7 98.8 98.8 98.8 98.8 98.8 98.8 95.3 98.8 Œ 900 95.8 96.5 97.2 97.6 97.8 98.4 98.4 98.4 96.7 98.8 8.89 98.8 98.8 98.8 97.6 98.4 Œ 800 95.3 95.8 96.5 97.2 97.8 98.4 96.4 98.7 96.8 98.8 98.8 96.8 98.8 98.8 Œ 700 95.3 8.69 96.5 97.3 97.8 98.1 98.7 98.7 98.7 98.9 99.2 99.2 99.2 99.2 99.3 99.3 96.5 97.3 98.3 98.8 600 95.3 98.8 99.1 99.5 99.5 GE 95.8 98.0 8.89 99.5 99.5 09.7 99.7 98.3 95.3 Œ 500 95.8 96.5 97.3 98.0 98.8 98.8 98.8 99.1 99.5 99.5 99.5 99.5 99.7 99.7 96.5 98.3 99.5 99.5 Gξ 400 95.3 95.8 97.3 98.0 98.8 96.8 98.8 99.1 99.6 99.6 99.9 99.9 Œ 300 95.3 95.8 96.5 97.3 96.0 98.3 98.8 98.8 96.8 99,1 99.5 99.5 99.7 99.7 100.0 100.0 98.3 96.8 96.5 97.3 96.0 98.8 99.1 99.5 99.5 90.7 99 7 GF 95.3 95.8 98.8 100 a 200 100.0 98.3 98.8 99.1 GF 1001 95.8 96.5 97.3 98.0 98.8 98.8 99.5 99.5 99.7 99.7 100.0 100 0 99.1 99.5 99.5 95.8 96.5 97.3 98.0 98.3 98.8 98.8 98.8 99.7 99.7 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION HUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 HONTH: MAR HOURS: 21-23

				rs	ז זפ טז	C: + 7					MON	TH: MAR	HQU	RS: 21-			
CEIL			•••••	• • • • • •	• • • • • •	• • • • • •	VISIBI	LITY II	STATUT	E MILES	 3	• • • • • • •	•••••	• • • • • • •	• • • • • •		• • • • • •
IN FEE		GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/3	GE 1/4	GE 0
WO C	EIL	76.9	76.9	76.9	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 2	0000	76.9	76.9	76.9	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 1		76.9	76.9	76.9	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 1		77.5	77.5	77.5	77.5	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 1		79.0 80.5	79.0 80.5	79.0 80.5	79.0 80.5	79.2 80.7	79.3 80.8	79.3 80.8	79.3 8 0.8	79.3 80.8	79.3 80.8	79.3 80.8	79.3 80.8	79.3 80.8	79.3 80.8	79.3 80.8	79.3 80.8
GE 1		81.9	81.9	81.9	81.9	82.0	82.2	82.2	82.2	82.2	62.2	82.2	82.2	82.2	82.2	82.2	82.2
	9000	81.9	81.9	81.9	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
	8000	83.6	83.6	83.6	83.6	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
	7000 6000	84.4 87.5	84.4 87.5	84.4 87.5	84.4 87.5	84.6 87.6	84.7 87.8	84.7 87.8	84.7 87.8	84.7 87.8	84 .7 8 7.8	84.7 87.8	84.7 87.8	84.7 87.8	84.7 87.8	84.7 87.8	84.7 87.8
	5000	91.7	91.9	91.9	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
	4500	91.7	91.9	92.0	92.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
	4000	92.5	92.9	93.1	93.1	93.4	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
	3500 3000	93.7 94.1	94.4 94.7	94.9 95.4	94.9 95.4	95.3 95.8	95.4 95.9	95.4 95.9	95.4 95.9	95.4 95.9	95.6 96.1	95.6 96.1	95.6 96.1	95.6 96.1	95.6 96.1	95.6 96.1	95.6 96.1
	2500	94.9	95.6	96.3	96.4	96.8	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	9 7.1	97.1
	2000	3.6	96.3	96.9	97.1	97.5	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
	1800	95.6	96.3	96.9	97.1	97.5	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
	1500 1200	95.6 95.6	96.3 96.3	97.1 97.1	97.3 97.5	97.6 96.1	97.8 98.3	97.8 98.5	97.8 98.5	97.8 98.5	98.3 99.2	98.3 99.2	98.3 99.2	98.3 99.2	98.3 99.2	98.3 99.2	98.3 99.2
GE	1000	95.8	96.4	97.5	97.8	98.5	98.6	98.8	96.8	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5
CE	900	95.8	96.4	97.5	97.8	98.5	98.6	98.8	98.8	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5
Œ	800	95.8	96.4	97.5	97.8	98.5	98.6	98.8	98.8	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE GE	700	95.8 95.8	96.4 96.4	97.5 97.5	97.8 97.8	98.5 98.5	98.6 98.6	98.8 98.8	98.8 98.8	98.8 98.8	99.5 99.5	99.7 99.7	99.7 99.7	100.0	100.0	100.0	100.0
	•	1	•														
GE	500		96.4	97.5	97.8	96.5	98.6	98.8	96.8	98.8	99.5	99.7			100.0		100.0
Œ	400 300	95.8 95.8	96.4	97.5 97.5	97.8 97.8	98.5 98.5	98.6 98.6	98.8 98.8	98.8 98.8	98.8 98.8	99.5 99.5	99.7 99.7	99.7 99.7	100.0	100.0	100.0	100.0
GE GE	200		96.4 96.4	97.5	97.8	98.5	98.6	98.8	96.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0
GE	100		96.4	97.5	97.8	98.5	98.6	98.8	98.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0
GE	000	95.8	96.4	97.5	97.8	98.5	98.6	98.8	98.8	98.8	99.5	99.7	99.7	100.0	100.0	100.0	100.0

PERCENTAGE FREGLENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION MANE: UGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: MAR HOURS: ALL

FEET					£51	10 011	.: + /					PUNT	H: MAK	HOURS:	ALL			
FEET 7 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/2 NO CEIL 64.9 64.9 65.0 65.0 65.0 65.1 65.1 65.1 65.1 65.1 65.1 65.1 65.1	CETLI	NG		· · · · · · ·		• • • • • •		VISIBI	.:TY 11	STATUT	E MILES		• • • • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • • •	•••••
GE 20000 67.4 67.4 67.5 67.5 67.6 67.6 67.6 67.6 67.6 67.6												_						G£
GE 18000 67.7 67.8 67.8 67.9 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0	NO CE	11	64.9	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2
\$\frac{6c}{6c}\$ 16000 \$\frac{6c}{6c}\$ 68.1 \$\frac{68.1}{68.1}\$\$ 68.2 \$\frac{68.3}{68.3}\$\$ \frac{68.3}{68.3}\$\$ \frac{68.3}{68.3	GE 204	000	67.4	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7
GE 10000 73.0 73.0 73.1 73.2 73.3 73.3 73.3 73.3 73.3 73.3 73.3																66.0		68 1
GE 12000 73.0 73.0 73.1 73.2 73.3 73.3 73.3 73.3 73.3 73.3 73.3																		68.3
GE 10000 76.9 76.9 77.0 77.1 77.2 77.2 77.2 77.2 77.2 77.2 77.2			-															70.2
GE 9000 78.2 78.3 78.4 78.5 78.5 78.5 78.5 78.5 78.5 78.5 78.5	WE 121	1000	73.0	73.0	73.1	13.2	73.3	13.3	73.3	73.3	/3.3	13.3	13.3	73.3	73.3	73.3	73.3	75.5
GE 8000 80.3 80.4 80.5 80.6 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7	GE 10	000	76.9	76.9	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3
GE 700 81.9 81.9 82.0 82.2 82.3 82.3 82.3 82.3 82.3 82.3 82.3																		78.6
GE 6000 84.9 84.9 85.1 85.2 85.3 85.3 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4																		80.8
GE 5000 88.8 88.9 89.1 89.3 89.5 89.5 89.6 89.6 89.6 89.6 89.6 89.6 89.7 89.7 89.7 89.7 89.6 62 4500 89.5 89.6 89.9 90.0 90.2 90.2 90.3 90.3 90.3 90.3 90.3 90.3 90.4 90.4 90.4 90.4 90.6 62 4000 91.3 91.5 91.8 91.9 92.1 92.2 92.3 92.3 92.3 92.3 92.3 92.3 92.3											82.3							82.4
GE 4500 80.5 89.6 89.9 90.0 90.2 90.2 90.3 90.3 90.3 90.3 90.3 90.4 90.4 90.4 90.4 90.6 4000 91.3 91.5 91.8 91.9 92.1 92.2 92.3 92.3 92.3 92.3 92.3 92.3 92.3	GE 5	000	54.Y	84.9	85.1	85.2	85.3	85.3	55.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5
GE 4000 91.3 91.5 91.8 91.9 92.1 92.2 92.3 92.3 92.3 92.3 92.3 92.3 92.4 92.4 92.4 92.6 92.5 3500 92.6 92.8 93.1 93.2 93.5 93.5 93.6 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7	GE 50	000	88.8	88.9	89.1	89.3	89.5	89.5	59 .6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7
GE 3500 93.9 94.1 94.5 94.7 95.0 95.1 95.2 95.2 95.2 95.3 95.3 95.3 95.3 95.4 95.4 95.4 95.4 95.6 gE 2500 94.9 95.2 95.6 95.8 96.2 96.2 96.2 96.4 96.4 96.4 96.5 96.6 96.6 96.6 96.6 96.6 96.6 96.6	GE 45	500	89.5	89.6	89.9					90.3							90.4	90.4
GE 2500 94.9 95.2 95.6 95.8 96.2 96.4 96.7 95.0 97.1 97.2 97.2 97.2 97.2 97.2 97.3 97.3 97.4 97.4 97.9 98.0 98.1 98.1 98.1 98.1 98.2 98.3 98.4 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2																		92.4
GE 2500 94.9 95.2 95.6 95.8 96.2 96.2 96.4 96.4 96.4 96.5 96.6 96.6 96.6 96.6 96.6 96.7 96 GE 2000 95.4 95.6 96.2 96.4 96.7 96.8 97.0 97.1 97.1 97.2 97.2 97.2 97.3 97.3 97.3 97.4 97 GE 1800 95.4 95.6 96.2 96.4 96.7 96.8 97.0 97.1 97.1 97.3 97.3 97.3 97.3 97.4 97 GE 1500 95.7 95.9 96.6 96.2 96.4 76.7 96.8 97.0 97.1 97.1 97.3 97.3 97.3 97.3 97.4 97.4 97.4 97 GE 1500 95.8 96.0 96.7 97.0 97.2 97.3 97.6 97.7 97.7 97.9 97.9 97.9 98.0 98.0 98.1 98 GE 1200 95.8 96.0 96.7 97.0 97.4 97.5 97.8 98.0 98.0 98.2 98.2 98.2 98.3 98.4 98.4 98 GE 1000 96.0 96.2 97.0 97.3 97.8 97.9 98.2 98.3 98.4 98.7 98.7 98.7 98.9 98.9 99.0 99 GE 900 96.0 96.3 97.1 97.4 97.9 96.0 98.3 98.5 98.5 98.8 98.8 99.1 99.1 99.1 99.2 99 GL 800 96.1 96.3 97.1 97.5 98.0 98.1 98.5 98.6 98.6 98.6 98.8 99.1 99.1 99.1 99.2 99 GE 700 96.1 96.3 97.1 97.5 98.0 98.1 98.5 98.6 98.6 98.0 99.0 99.0 99.0 99.3 99.4 99.5 99 GE 600 96.1 96.3 97.1 97.5 98.0 98.1 98.5 98.6 98.7 99.0 99.1 99.1 99.3 99.4 99.5 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.0 99.1 99.1 99.3 99.4 99.5 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.0 99.1 99.1 99.2 99.5 99.5 99.7 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.9 99.0 90.1 90.1 90.2 99.2 99.6 99.6 99.9 99.9 99.9 90.9 90.1 90.1 90.2 99.2 99.6 99.6 99.9 99.9 99.9 90.9 90.1 90.2 9																		93.8
GE 200C 95.4 95.6 96.2 96.4 96.7 96.8 97.0 97.1 97.1 97.2 97.2 97.2 97.3 97.3 97.4 97.6 1800 95.4 95.6 96.2 96.4 26.7 96.8 97.0 97.1 97.1 97.3 97.3 97.3 97.3 97.4 97.4 97.5 1800 95.7 95.9 96.6 96.9 97.2 97.3 97.6 97.7 97.7 97.9 97.9 97.9 98.0 98.0 98.1 98.6 1200 95.8 96.0 96.7 97.0 97.4 97.5 97.8 98.0 98.0 98.2 98.2 98.2 98.3 98.4 98.4 98.4 98.4 98.6 1200 96.0 96.2 97.0 97.3 97.8 97.9 98.2 98.3 98.4 98.0 98.2 98.2 98.2 98.3 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4	GE 3	000	93.9	94.1	94.5	94.7	95.0	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4
GE 1800 95.4 95.6 96.2 96.4 26.7 96.8 97.0 97.1 97.1 97.3 97.3 97.3 97.4 97.4 97.4 97.4 97.5 95.9 96.6 96.9 97.2 97.3 97.6 97.7 97.7 97.9 97.9 97.9 98.0 98.0 98.1 98 GE 1200 95.8 96.0 96.7 97.0 97.4 97.5 97.8 98.0 98.0 98.2 98.2 98.2 98.3 98.4 98.4 98 98 GE 1000 96.0 96.2 97.0 97.3 97.8 97.9 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98	GE 2	500	94.9	95.2	95.6	95.8	96.2	96.2	96.4	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.7	96.7
GE 1500 95.7 95.9 96.6 96.9 97.2 97.3 97.6 97.7 97.7 97.9 97.9 97.9 98.0 98.0 98.1 98 GE 1200 95.8 96.0 96.7 97.0 97.4 97.5 97.8 98.0 98.0 98.2 98.2 98.2 98.3 98.4 98.4 98.4 98 GE 1000 96.0 96.2 97.0 97.3 97.8 97.9 98.2 98.3 98.4 98.7 98.7 98.7 98.9 98.9 99.0 99 GE 900 96.1 96.3 97.1 97.4 97.9 96.0 98.1 98.5 98.6 98.8 99.1 99.1 99.1 99.2 99 GE 700 96.1 96.3 97.1 97.5 98.0 98.1 98.5 98.6 98.6 99.0 99.0 99.0 99.0 99.3 99.3 99.4 99 GE 700 96.1 96.3 97.1 97.5 98.0 98.1 98.5 98.6 98.6 98.7 99.0 99.1 99.1 99.3 99.4 99.5 99 GE 600 96.1 96.3 97.1 97.5 98.0 98.1 98.5 98.6 98.7 99.0 99.1 99.1 99.3 99.4 99.5 99.6 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.0 99.1 99.1 99.2 99.5 99.5 99.7 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.0 99.1 99.2 99.5 99.5 99.7 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.6 99.8 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.6 99.8 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.6 99.8 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 98.7 99.1 99.2 99.2 99.6 99.6 99.6 99.9 99.0 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 98.7 99.1 99.2 99.2 99.6 99.6 99.6 99.9 99.0 90.1 90.1 90.2 99.2 99.6 99.6 99.9 99.0 90.1 90.1 90.2 99.2 99.6 99.6 99.9 99.0 90.1 90.1 90.2 99.2 99.6 99.6 99.9 99.0 90.1 90.1 90.2 99.2 99.6 99.6 99.9 99.0 90.1 90.1 90.2 99.2 99.6 99.6 99.9 99.0 90.1 90.1 90.2 99.2 99.6 99.6 99.0 90.1 90.1 90.1 90.2 99.2 99.6 99.0 90.1 90.1 90.2 99.2 99.6 99.0 9	GE 20	00G j	95.4	95.6	96.2	96.4	96.7	96.8	97.0	97.1	97.1	97.2	97.2	97.2	97.3	97.3	97.4	97.4
GE 1200 95.8 96.0 96.7 97.0 97.4 97.5 97.8 98.0 98.0 98.2 98.2 98.2 98.3 98.4 98.4 98 GE 1000 96.0 96.2 97.0 97.3 97.8 97.9 98.2 98.3 98.4 98.7 98.7 98.7 98.9 98.9 99.0 99 GE 900 96.0 96.3 97.1 97.4 97.9 96.0 98.3 98.5 98.5 98.8 98.8 99.1 99.1 99.2 99 GL 800 96.1 96.3 97.1 97.5 98.0 98.1 98.5 98.6 98.6 99.0 99.0 99.0 99.0 99.3 99.4 99.5 99 GE 700 96.1 96.3 97.1 97.5 98.0 98.1 98.5 98.6 98.7 99.0 99.1 99.1 99.3 99.4 99.5 99 GE 600 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.0 99.1 99.1 99.3 99.4 99.5 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.0 99.1 99.2 99.5 99.5 99.7 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.9 99.1 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.0 90.1 90.1 90.1 90.2 99.5 99.6 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.2 99.6 99.6 99.6 99.9 99.0 90.1 90.1 90.2 99.2 99.6 99.6 99.9 90.0 90.1 90.1 90.2 99.2 99.6 99.6 99.8 90.0 90.1 90.1 90.2 99.2 99.6 99.6 99.9 90.0 90.1 90.1 90.2 99.2 99.6 99.6 99.9 90.0 90.1 90.1 90.1 90.2 99.2 99.6 99.6 99.9 90.0 90.1 90.1 90.1 90.2 99.2 99.6 99.6 99.9 90.0 90.1 90.1 90.1 90.2 99.2 99.6 99.6 99.0 90.1 90.1 90.1 90.2 99.2 99.6 99.6 90.0 90.1 90.1 90.1 90.2 99.2 99.6 99.6 90.0 90.1 90.1 90.1 90.1 90.2 90.2 90.6 90.6 90.0 90.1 90.1 90.1 90.1 90.1 90.1 90.1					95.2			96.8						97.3	97.4	97.4	97.4	97.5
GE 1000 96.0 96.2 97.0 97.3 97.8 97.9 98.2 98.3 98.4 98.7 98.7 98.7 98.9 98.9 99.0 99.0 99.0 96.0 96.0 96.3 97.1 97.4 97.9 96.0 98.3 98.5 98.5 98.8 96.8 98.8 99.1 99.1 99.2 99.0 99.0 96.1 96.3 97.1 97.5 98.0 98.1 98.5 98.6 98.6 99.0 99.0 99.0 99.3 99.3 99.4 99.5 99.0 96.1 96.3 97.1 97.5 98.0 98.1 98.5 98.6 98.7 99.0 99.1 99.1 99.3 99.4 99.5 99.0 96.1 96.3 97.1 97.5 98.0 98.1 98.5 98.6 98.7 99.0 99.1 99.1 99.3 99.4 99.5 99.0 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.0 99.1 99.2 99.5 99.5 99.7 99.0 99.1 99.1 99.2 99.5 99.5 99.7 99.0 99.1 99.1 99.1 99.2 99.5 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.8 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.0 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.0 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.0 99.1 99.1 99.2 99.5 99.6 99.9 99.0 99.1 99.1 99.2 99.5 99.6 99.9 99.9 99.0 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.0 99.0 99.1 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.0 99.0 99.0 99.0 99.0																		98.1
GE 900 96.0 96.3 97.1 97.4 97.9 98.0 98.3 98.5 98.8 98.8 98.8 99.1 99.1 99.2 99.6 GE 700 96.1 96.3 97.1 97.5 98.0 98.1 98.5 98.6 98.6 98.0 99.0 99.0 99.0 99.3 99.4 99.5 99.6 99.1 97.5 98.0 98.2 98.5 98.6 98.7 99.0 99.1 99.1 99.2 99.5 99.5 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.8	GE 13	500	95.8	95.0	96.7	97.0	97.4	97.5	97.8	98.0	98.0	98.2	98.2	98.2	98.3	98.4	98.4	98.5
GE 900 96.0 96.3 97.1 97.4 97.9 98.0 98.3 98.5 98.8 98.8 98.8 99.1 99.1 99.2 99.6 GE 700 96.1 96.3 97.1 97.5 98.0 98.1 98.5 98.6 98.6 98.0 99.0 99.0 99.0 99.3 99.4 99.5 99.6 99.1 97.5 98.0 98.2 98.5 98.6 98.7 99.0 99.1 99.1 99.2 99.5 99.5 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.8	GE 1	000	96.0	96.2	97.0	97.3	97.8	97.9	98.2	98.3	98.4	98.7	98.7	98.7	98.9	98.9	99.0	99.0
GE 700 96.1 96.3 97.1 97.5 98.0 98.1 98.5 98.6 98.7 99.0 99.1 99.1 99.3 99.4 99.5 99.6 96.6 600 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.0 99.1 99.1 99.2 99.5 99.5 99.7 99.6 99.8 99.6 400 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99.6 400 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99.6 99.8 99.6 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99.6 99.8 99.6 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99.8 99.8 99.8 99.8 99.8 99.8	GE 1	900	94.0	96.3	97.1	97.4	97.9	98.0	98.3	98.5	98.5	98.8	98.8	98.8	99.1	99.1	99.2	99.2
GE 600 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.0 99.1 99.2 99.5 99.5 99.7 99.6 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99.6 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99.6 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99.6 200 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99.6 200 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.2 99.2 99.6 99.6 99.9 99.6 99.9 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.8 99.8 99.1 99.1 99.2 99.5 99.6 99.6 99.9 99.8 99.8 99.1 99.1 99.2 99.2 99.6 99.6 99.9 99.8 99.8 99.8 99.1 99.1 99.2 99.2 99.6 99.6 99.9 99.9 99.1 99.2 99.8 99.8 99.8 99.8 99.8 99.8 99.8	GL 8	800	96.1							98.6	98.6				99.3	99.3		99.4
GE 500 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GT 400 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 96.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 200 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.2 99.5 99.6 99.6 99.8 99 GE 200 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.2 99.2 99.6 99.6 99.9 99 GE 100 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.2 99.2 99.6 99.6 99.9 99 GE 100 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.2 99.2 99.6 99.6 99.9 99 GE 100 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.2 99.2 99.6 99.6 99.9 100																		₹9.6
GT 400 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 200 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.2 99.2 99.6 99.6 99.6 99.9 99 GE 100 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.2 99.2 99.6 99.6 99.6 99.9 100	GE (600	96.1	96.3	97,1	97.5	°8. 0	98.2	98.5	98.7	98.7	99.0	99.1	99.2	99.5	99.5	99.7	99.7
GT 400 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 200 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.2 99.2 99.6 99.6 99.6 99.9 99 GE 100 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.2 99.2 99.6 99.6 99.6 99.9 100	GE S	500 l	96.1	96.3	97.1	97.5	98.0	98.2	98.5	98.7	98.7	99.1	99.1	99.2	99.5	99.6	99.8	99.8
GE 300 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.1 99.2 99.5 99.6 99.8 99 GE 200 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.2 99.2 99.6 99.6 99.6 99.9 99 GE 100 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.2 99.2 99.6 99.6 99.6 99.9 100																		99.9
GE 100 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.2 99.2 99.6 99.6 99.9 100		300	96.1	96.3														99.9
	GE :	200	96.1	96.3	97.1	97.5	98.0	98.2	98.5	98.7	98.7			· 99 .2	99.6	99.6	99.9	99.9
GE 000 96.1 96.3 97.1 97.5 98.0 98.2 98.5 98.7 98.7 99.1 99.2 99.2 99.6 99.6 99.9 100	GE	100	96.1	96.3	97.1	97.5	98.0	98.2	98.5	98.7	98.7	99.1	99.2	99.2	99.6	99.6	99.9	100.0
	GE	0001	96.1	96.3	97.1	97.5	98.0	98.2	98.5	98.7	98.7	99.1	99.2	99.2	99.6	99.6	99.9	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: DUGMAY PROYING GROUNDS UT STATION NUMBER: 690110 PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: APR HOURS: 00-02 CELLING VISIBILITY IN STATUTE MILES GE GF GE TM Œ GE Œ GF GF GF 2 1/2 FEET 6 5 4 3 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 NO CEIL 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 GF 20000 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 GE 18000 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 GE 16000 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 73.7 74.4 74.4 GF 14000 74.4 78.5 74.4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 GE 12000 78.3 78.3 78.5 78.7 78.7 78.7 78.7 78.7 78.7 78.7 78.7 78.7 78.7 78.7 78.7 GE 10000 78.9 78.9 79.1 79.1 79.3 79.3 79.3 79.3 79.3 79.3 79.3 79.3 79.3 79.3 79.3 79.3 79.8 ĢĒ 9000 79.6 79.6 79.8 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 0.08 80.0 8000 82.2 82.4 82.4 82.6 82.6 82.6 82.6 82.6 82.6 82.6 GE 81.9 82.6 82.6 82.6 82 6 82.6 7000 84.6 8.43 85.0 85.0 85.0 85.0 85.0 85.0 GE 84.3 84.8 85.0 85.0 85.0 85.0 85.0 85.0 GE 6000 85.G 86.3 86.5 86.5 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 Œ 5000 88.3 88.7 88.9 88.9 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 90.4 90.4 GE 4500 89.6 90.0 90.2 90.2 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 92.4 92.2 92.2 92.4 92.4 92.4 92.4 92.4 4000 91.7 92.0 92.4 92.4 92.4 92.4 92.4 GΕ 92.4 3500 GE 93.0 93.5 93.5 93.5 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 GE 3000 95.9 96 96.1 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 95.6 96.3 96.3 96.3 96.5 የራ . ያ. .? ዓህ.~ 97.2 Œ .7.0 97.2 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97 4 97.4 97 4 2500 95.9 07.0 97.6 97.2 97.6 97.6 GE 2000 96.1 ٠,٤ 97.4 97.4 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 GE 1800 96.1 .2 97.2 97.4 97.4 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.2 7.8 27.5 98.0 GE 1500 96.7 98.0 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.5 98.7 99.1 99.1 99.3 99.3 99.3 99.3 GE 1200 98.0 \$8.5 98.7 99.1 99.3 99.3 99.3 GE 1000 97.4 98.0 98.5 98.5 98.7 98.7 99.1 99.1 99.1 99.3 99.3 99.3 99.3 99.3 99.3 99.3 GE 900 97.4 98.0 98.5 98.9 99.1 99.1 99.4 99.4 99.4 99.6 99.6 99.8 99.8 99.8 99.8 99.8 97.4 98.5 99.4 99.4 99.4 99.6 99.8 GΕ 800 98.0 98.9 99.1 99.1 99.6 99.8 99.8 99.8 99.8 97.4 98.0 99.1 99.4 99.4 99.4 99.6 99.6 99.8 99.8 96.9 99.1 99.8 90.8 GE 700 93.5 99.8 GE 600 99.4 99.6 97.4 98.0 98.5 98.9 **90** 1 99.1 99.4 99.4 99.6 99.8 99.8 99.8 99.8 99.8 500 97.4 98.0 98.9 99.1 99.1 99.4 99.4 99.4 99.6 99.6 99.8 100.0 GE 98.5 100.0 100.0 GE 400 97.4 98.0 98.5 98.9 99.1 99.1 99.4 99.4 99.4 99.6 99.6 99.8 100.0 100.0 100.0 100.0 98.5 97.4 98.0 99.1 79.1 99.4 99.4 99.4 99.6 99.8 98.9 99.6 100.0 100.0 100.0 **GE** 300 100.0 99.6 GE 200 97.4 98.0 98.5 98.9 99.1 99.1 99.4 99.4 99.4 ₹9.6 99.8 100.0 100.0 100.0 100.0 100 97.4 98.0 98.5 98.9 99.1 99.1 90.4 99.4 99.4 99.6 99.6 99.8 100.0 100.0 100.0 100.0 GE 000 97.4 98.0 98.5 98.9 99.1 99.1 99.4 99.4 99.4 99.6 99.6 99.8 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: APR HOURS: 03-05

				r.z.	T TO UT	C: + 7					MON	TH: APR	HOUR	s: 03-0			
CEI	LING		• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	VISIBI	LITY I	STATUT	E MILE	\$	• • • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • •	• • • • • •
FE		GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE O
MO	CEIL	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE	20000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE	18000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
	16000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
	14000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
Œ	12000	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78 2	78.2	78.2	78.2	78.2	78.2
GE	10000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80,9	80.9	30.9	80.9	80.9	80.9	80.9	80.9
GE	9000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
Œ	8000	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE	7000	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85 .2	85.2	85.2	85.2
GE	6000	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE	5000	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GΕ	4500	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
Œ	4000	93.5	93.8	93.8	93.8	93.8	93.6	93.B	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE		95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE	3000	96.5	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE	2500	,	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE	2000	97.7	98.1	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE	1800	97.8	98.3	98.7	98.8	98.9	98.9	98.9	98,9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GΕ	1500	98.1	98.5	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GΕ	1200	98.4	98.8	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	1000	98.5	98.9	99.5	99.6	99.7	99.7	99.7	99,7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE		98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	800		98.9	99.6	99.7	99.9	99.9	99.9	99.9		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	98.5	98.9	99.6	99.7	99.9	99.9	97.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GΕ	500	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0		100.0	100.0	100.0	100.0
GE		98.5	98.9	99.6	99.7	99.9	99.9	90.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		98.5	98.9	99.6	99.7	99.9	99.9	99.¢	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE			98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	160.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	98.5	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 HONTH: APR HOURS: 06-08

			LS	TO UT	C: + 7					HON'	TH: APR	HOU	RS: 06-	38		
CEILING	• • • • • •			• • • • • • •	• • • • • •	VISIR!		N STATIL	TE MILES	•••••	• • • • • • •	•••••	• • • • • • •	•••••	•••••	•••••
IN I	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	űE	GE	GE	GE	GE	GE
FEET	7	6	5	4	3	2 1/2	2		1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
	· • • • • • • •		• • • • • •	• • • • • •	• • • • • •		• • • • •	• • • • • •		• • • • • •	• • • • • • •	•••••	• • • • • • •			
NO CEIL	62.6	62.6	62.7	62.8	8.56	62.8	62.8	62.8	8.56	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 20000	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 18000	66.3	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 16000	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 14000	68.3	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 12000	71.9	71.9	72.0	72.0	72.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 10000	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 9000	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 8000	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 7000	82.6	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 6000	85.4	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 5000	88.6	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	3.88	88.8	88.8	88.8	88.8	88.8	88.8
GE 4500	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 4000	91.6	91.6	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 3500	92.7	92.7	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3000	94.5	94.6	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2500	95.3	95.4	95.8	96.2	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2000	96.1	96.2	97.0	97.4	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800		96.2	97.0	97.4	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	96.3	96.4	97.2	97.6	97.6	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1200	96.4	96.6	97.4	97.8	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	96.7	96.8	97.8	98.2	98.5	98.5	98.7	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	96.9	97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 500		97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4
GE 700		97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7
GE 600		97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	 96.9	97,1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7
GE 400		97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.2	99.7	99.7	99.8	99.8	99.8	99.8
GE 300		97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.2	99.7	67.8	100.0	100.0	100.0	100.0
GE 200		97.1	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.2	99.7	99.8	100.0	100.0	100.0	100.0
GE 100	1	97.1	98.0	98.5	98.7	96.8	99.0	99.1	99.1	99.2	99.7	99.8	100.0	100.0	100.0	100.0
GE 000	 96.9	97.1	98.0	98.5	98.7	98.8	99.0	99.1	99,1	99.2	99.7	99.8	100.0	100.0	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: APR HOURS: 09-11 CEILING VISIBILITY IN STATUTE MILES GΕ GE GE GE GE IN GF GF GF GF CF 2 1/2 4 6 5 3 2 1 1/2 1 1/4 0 FEET - 1 3/4 5/8 1/2 3/8 1/4 65.4 69.7 69.5 69.6 69.7 69.8 69.8 69.8 GE 20000| 69.7 69.8 40.8 69.8 69.8 69.8 69.8 69.8 69.8 GE 18000 70.1 70.2 70.2 70.2 70.2 70.3 70.4 7C.4 70.4 70.4 70.4 70.4 70.4 70.4 70.4 70.4 GE 16000 70.4 70.5 70.6 70.6 70.6 70.6 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 70.7 72.8 72.8 72.9 GE 14000 72.7 72.7 72.8 72.7 72.9 72.9 72.9 72.9 72.9 72.9 72.9 72.9 72.9 GE 12000 76.1 76.2 76.2 76.2 76.2 76.3 76.4 76.4 76.4 76.4 74.4 76.4 76.4 76.4 76.4 76.4 79.7 79.8 79.9 GE 10000 79.7 79.8 79.9 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 GE 9000 81.0 81.0 81.1 81.2 81.2 80.8 80.9 81.0 81.2 81.2 81.2 81.2 51.2 81.2 81.2 81.2 82.4 82.4 84.7 82.4 84.7 82.4 82.4 82.4 82.4 GE 8000 82.0 82.1 82.2 82.2 82.2 82.3 82.4 82.4 82.4 84.7 84.7 GE 7000 I 84.3 84.4 84.5 84.5 84.5 84.6 84.7 84.7 84.7 84.7 84.7 84.7 GE 6000 86.8 86.8 86.8 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 86.6 86.7 86.9 87.0 87.0 5000 89.5 89.6 89.7 89.8 89.9 89.9 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.7 GE 4500 90.3 90.4 90.5 90.6 90.7 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 91.8 92.0 92.2 92.3 92.4 92.4 92.4 92.4 92.4 91.7 92.4 92.4 92.4 92.4 92,4 92.4 GE 4000 3500 93.2 93.5 93.5 93.6 93.7 93.7 93.7 93.7 93.7 93.7 GE 92.8 93.0 93.7 93.7 93.7 93.7 GE 3000 94.1 94.2 94.4 94.8 94.9 94.9 95.1 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.3 GE 2500 Í 94.7 95.0 95.7 95.8 95.9 96.1 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2 97.3 97.4 97.6 97.6 97.6 97.6 97.6 97.6 97.6 2000 95.8 96.2 96.5 97.2 97.6 97.6 97.6 GE 97.3 95.8 97.2 97.4 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 GΕ 1800 96.2 96.5 97.6 GE 1500 95.9 96.2 96.6 97.4 97.8 97.8 98.0 98.1 98.1 98.2 98.2 98.2 98.2 98.2 98.2 98.2 95.9 1200 96.3 96.7 97.6 97.9 98.0 98.2 98.3 98.3 98.4 98.4 98.4 98.4 98.4 98.4 98.4 1000 96.4 97.2 98.0 98.4 98.4 99.0 99.0 99.2 99.2 99.24 99.2 99.2 99.2 GE 96.8 98.7 99.1 900 97.3 98.2 98.5 98.6 98.9 99.1 99.3 99.3 99.3 99.3 99.3 99.3 GE 96.5 96.9 99.3 99.8 GΕ 800 96.6 97.0 97.4 98.4 98.8 98.9 99.1 99.5 99.5 99.8 99.8 99.8 99.8 99.8 99.8 96.6 98.4 99.5 99.6 700 97.0 97.4 98.8 98.9 99.1 99.9 99.9 99.9 99.9 99.9 99.9 99.9 GΕ 97.0 97.4 98.8 98.9 99.5 99.6 99.9 99.9 99.9 99.9 GE 600 96.6 98.4 98.4 99.1 99.9 99.9 99.9 GE 500[96.6 97.0 97.4 98.8 98.9 99.5 90.6 90 0 90.0 99.9 00 0 GE 400 96.6 97.0 97.4 98.4 98.8 98.9 99.1 99.5 99.6 99.9 99.9 99.9 100.0 100.0 100.0 100.0 96.6 99.6 300 97.0 97.4 98.4 98.8 98.9 99.1 99.5 99.9 99.9 99.9 100.0 100.0 100.0 100.0 97.4 99.9 GΕ 200 i 96.6 97.0 98.4 98.8 98.9 97.1 99.5 99.6 99.9 99.9 100.0 100.0 100.0 100.G 97.4 98.8 98.9 99.1 99.5 99.6 100 26.6 97.0 98.4 100.0 100.0 100.0 100.0 ĠΕ 99.9 GF. 000 96.6 97.0 97.4 98.4 98.8 98.9 99.1 99.5 97.6 99.9 99.9 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 HOURS: 12-14

				LS'	TO UT	C: + 7					MON1	H: APR	HOUR	S: 12-1	4		
:E!	ING	• • • • • •		• • • • • • •	• • • • • •	• • • • • •	VISIBI	LITY I	STATUT	E MILES	• • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • •		• • • • • •	•••••	• . • • •
11		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	G
FEI	ET	7	6	5	4	3	2 1/2	5	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	
eo (EIL I	59.6	59.7	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.
		1	2,,,	27.5	2007			00.0	50.0	00.0	00.0	50.0	00.0	Q 4.0	00.0	00.0	•
	20000	64.7	64.8	65.0	65.0	65.1	65.1	65.2	55.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.
	8000	65.4	65.4	65.6	65.6	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.
-	16000	65.7	65.8	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.
	14000	67.2	67.2	67.4	67.5	67.5	67.5 70.7	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.
3	2000	70.4	70.4	70.6	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.
E	10000	73.6	73.7	73.8	73.9	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.
ε	9000	74.3	74.4	74.5	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.
E	8000	76.3	76.3	76.5	76.5	75.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.
ìΕ	7000	78.0	78.1	78.2	78.3	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.
iE	6000	81.3	81.3	81.5	81.6	81.9	81.9	62.0	82.0	82.0	0.58	82.0	82.0	82.0	82.0	82.0	82.
Ε	5000	86.4	86.5	86.7	86.8	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87
Ε	4500	88.6	38.7	88.9	89.0	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	39.4	89
ε	4000)	90.6	90.7	90.9	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91
Ε	3500		92.3	92.5	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93
E	3000	93.6	93.8	94.0	94.4	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95. 0	95
Ε	2500	94.9	95.2	95.6	95.9	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96
Ε	2000		95.5	95.8	96.3	96.7	96.7	96.9	96.9	96.9	97.C	97.0	97.0	97.0	97.C	97.0	97
Ε	1800		95.6	95.9	96.4	96.9	96.9	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97
Ε	1500		96.0	96.5	97.1	97.7	97.7	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98
Ε	1200	95.8	96. 1	96.6	97.4	98.1	98.1	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98
Ε	1000	96.2	96.6	97.2	97.9	98.8	98.8	98.9	98.9	98.9	99.2	09.2	99.2	99.3	99.3	99.3	99
Ε	900	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99
E	800	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.3	99.3	99.3	99.6	99.6	99.6	99
E	700		96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99,4	99,4	99.8	99.8	99.8	99
E	600	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99.4	99.4	99.8	99.8	99.8	99
Ε	500	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	100.0	100
E	400	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	100.0	100
E		96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	100.0	100
E	200	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	100.0	100
Ε	100	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	100.0	100
E	000	96.2	96.6	97.2	97.9	98.8	98.8	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	100.0	100

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: APR HOURS: 15-17

				LST	TO UTO	:: + 7					MONT	H: APR	HOURS	s: 15-17	7		
CEI	LING	•••••	• • • • • • •		•••••		VISIR	LITY I	M STATU	TE MILES		• • • • • • •	• • • • • •		••••	•••••	• • • • • •
	N I	GE	GE	G€	G€	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FE		7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
• • •			• • • • • • •			• • • • • •	•••••	• • • • • •	• • • • • • • •		• • • • • • •		•••••	• • • • • • •	• • • • • •	• • • • • • •	• • • • •
МО	CEIL	56.6	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE	20000	60.9	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GΕ	18000	61.1	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.5	61.6	61.6	61.6	61.6
	16000	61.9	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
	14000	63.1	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE	12000	65.8	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE	10000	69.6	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
ĢE	9000	70.1	70.4	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE	8000	72.2	72.5	72.7	72.7	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE	7000	73.9	74.2	74.4	74.4	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE	6000	77.5	77.9	78.1	78.2	78.4	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE	5000	83.8	84.3	84.5	84.7	85.0	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE	4500	86.2	86.6	86.9	87.1	87.4	87.4	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE	4000	90.0	90.4	90.7	90.9	91.3	91.4	91.5	91.5	91.5	91.6	91.7	91.7	91.8	91.8	91.8	91.8
GE	3500	92.1	92.5	92.8	93.0	93.4	93.4	93.7	93.7	93.7	93.8	93.9	93.9	94.0	94.0	94.0	94.0
GE	3000	93.2	93.6	93.9	94.1	94.4	94.5	94.8	94.8	94.8	94.9	95.0	95.0	95.1	95.1	95.1	95.1
GE	2500	94.2	94.6	94.9	95.1	95.5	95.5	95.8	95.8	95.8	95.9	96.0	96.0	96.1	96.1	96.1	96.1
GE	2000	94.7	95.2	95.6	95.8	96.3	96.4	96.7	96.7	96.7	96.8	96.9	96.9	97.0	97.0	97.1	97.1
GE	1800	94.8	95.3	95.7	95.9	96.4	96.5	96.8	96.8	95.8	96.9	97.0	97.0	97.1	97.1	97.2	97.2
GE	1500	95.3	95.7	96.3	96.5	96.9	97.1	97.5	97.5	97.5	97.5	97.5	97.6	97.7	97,7	97.8	97.8
GE	1200	96.0	96.5	97.0	97.3	97.8	98.0	98.4	98.5	98.5	₹8.5	98.6	98.6	98.7	98.7	98.8	98.8
GΕ	1000	96.1	96.8	97.5	97.8	98.4	98.5	98.9	99.0	99.0	99.1	99.2	99.2	99.4	99.4	99.5	99.5
GE	900		96.8	97.5	97.8	98.4	98.5	98.9	99.0	99.0	99.1	99.2	99.2	99.4	99.4	99.5	99.5
GΕ	800		97.0	97.7	98.0	98.5	98.7	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6
GE	700	96.3	97.0	97.7	98.0	98.5	98.7	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6
GE	600	96.3	97.0	97.7	98.0	98.5	98.7	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6
GE	5001	96.3	97.0	97.7	98.0	98.5	98.7	99,1	99.2	99.2	99.3	99.5	9.5	99.7	99.7	99.9	99.9
GE	400		97.0	27.7	98.0	98.5	98.7	99.1	99.2	99.2	99.3	99.5	99.5	99.7	99.7	99.9	99.9
GE		96.3	97.C	97.7	98.3	98.5	98.7	99.1	99.2	99.2	99.3	99.5	99.5	99.7	99.7	99.9	99.9
GE		96.3	97.0	97.7	98.0	98.5	28.7	99.1	99.2	99.2	99.3	99.5	99.5	99.7	99.7	99.9	99.9
GE		96.3	97.0	97.7	98.0	98.5	98.7	99.1	99.2	99.2	99.4	99.6	99.6	99.8	99.3	100.6	100.0
-	,									•							
GE	000	96.3	97.0	97.7	98.0	98.5	98.7	99,1	99.2	99.2	99.4	99.6	99.6	99.8	99.8	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION HUMBER: 690110 STATION MAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 50 - APR 90 LST TO UTC: + 7 MONTH: APR HOURS: 18-20

				LS	וט טו	C: + /					MON	ITH: APR	HOU	RS: 18-7			
CEILI	NG				• • • • • •	•••••			N STATU		 S	•••••	•••••	• • • • • •		• • • • • • •	• • • • •
IN FEET	ł	GE 7	GE 6	GE 5	GE 4	GE 3	GE	GE	GE	GE	GE	GE	GE	GE	GΕ	GE	GE
					•		2 1/2		1 1/2	1 1/4		3/4	5/8 	1/2	3/8	1/4	0
NO CE	 	58.6	58.6	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
	j																
GE 20		58.6	58.6	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 186		58.6 59.3	58.6 59.3	58.8 59.4	58.8 59.4	58.8 59.4	58.8 59.4	58.9 59.6	58.9 59.6	58.9 59.6	5 3 .9 59.6	58.9 59.6	58.9 59.6	58.9 59.6	58.9	58.9	58.9
GE 14		60.8	60.8	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	59.6 61.1	59.6 61.1	59.6 61.1
GE 121		65.0	65.0	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
		03.0	03.0	43.	03.3	03.3	05.5	03.4	05.4	03.4	03.4	05.4	93.4	05.4	05.4	07.4	03.4
GE 104	000	68.9	68.9	69.3	69.4	69.4	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.7	59.7	69.7	69.7
	000 j	70.0	70.0	70.4	70.6	70.6	70.6	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
	``00 [71.9	71.9	72.4	72.6	72.ó	72.6	72.8	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
	000	74.3	74.3	74.7	75.0	75.0	75.0	75.1	75.1	75.1	73.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 60	DOO(78.6	78.6	79.0	79.3	79.4	79.4	79.6	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79. 9
GE 50	000	85.6	85.6	86.0	86.3	86.4	86.4	86.7	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
	500	87.1	87.1	87.6	87.9	88.1	88.1	88.5	88.6	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
	000	90.7	90.7	91.3	91.5	\$1.7	91.7	92.1	.92.2	92.2	92.6	92.6	92.6	92.6	92.6	92.5	92.6
	500	92.1	92.1	92.8	93.1	93.2	93.2	93.6	93.8	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 30	000	73.3	93.3	94.0	94.4	94.7	94.7	95.1	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 25	500	94.2	94.2	94.9	95.3	95.6	95.6	96.0	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 21	000 j	95.6	95.6	96.3	96.7	97.2	97.2	97.6	97.8	97.8	98.2	98.2	98.2	98.2	98.2	96.2	98.2
	800}	95.6	95.6	96.3	96.7	97.2	97.5	98.1	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
	500	96.0	96.0	96.7	97.1	97.6	97.9	98.5	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1	२००।	96.0	96.0	96.7	97.1	97.6	97.9	98.5	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 10	000	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
	900 (96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
	B00	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
	700 j	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 6	500	96.1	96.4	97.2	97.6	9 8.2	98.5	99.2	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE S	500	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
	400	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
	300	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7		100.0	100.0	100.0	100.0	100.0
	200	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	10 0 .0
GE '	100	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE (000	96.1	96.4	97.2	97.6	98.2	98.5	99.2	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0
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TOTAL NUMBER OF OBSERVATIONS 720

0 - 2 - 34

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSEVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST 10 UTC: + 7 MONTH: APR HOURS: 21-23

				12	10 011	L: + /					HUN	H; APK	HOUK	2: 51.5			
CEILI	NG	•••••		• • • • • •	• • • • • •	• • • • • •	VISIBI	LITY II	TUTATE	E MILES	S	• • • • • • •	•••••	• • • • • • •	• • • • • • •	· • • • • • •	•••••
114		Gξ	GE	GE	GE	GΕ	GE	Œ	GE	G€	GE	GE	GE	GE	GE	GE	GE
FEET	·	7 	6	5	4	3	2 1/2		1 1/2	1 1/4	. 1	3/4	5/8	1/2	3/8	1/4	0
NO CE	IL (67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 20	2000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 18		67.4	67.4	67.4	67.4	67.4	67.4	57.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 16		67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
SE 14	000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 12	000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 10	000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 9	000 j	78.1	78.1	78.1	75.1	78.1	78.1	78.1	78.1	78.1	78. i	76.1	78.1	78.1	78.1	78.1	78.1
GE 8	000)	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
	000		83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83 .0	83.0	83.0	83.0	83.0
GE 6	000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
	000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
	500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	100	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
	500	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 3	000	95.9	95.9	96.1	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
	500	96.3	96.7	96.9	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97,4
	000	96.7	97.0	97.2	97.6	97.6	97.6	97.8	\$7.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
	800	96.7	97.0	97.2	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
	500	96.9	97.2	97.4	97.8	98.0	98.0	98.1	98.1	93.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1	1005	97.2	97.8	98.0	98.3	98.7	98.7	98.9	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1	000	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	166.0	100.0	100.0
GE	900 j	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	800	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE :	500 l	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0		100.0	100.0	100.0
GE -	400	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4		100.0	100.0	100.0		100.0	100.0	100.0
GE	300 j	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0		100.0	100.0	100.0
GE	200	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE .	G00	97.2	98.1	98.5	98.9	99.3	99.3	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY DESERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGLAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90

	LST TO UTC: + 7 MONTH: APR HOURS: ALL																
CEI	LING	•••••		•••••	• • • • • •	• • • • • • •	VISIRI	177 (STATU:	F MILES		• • • • • • •		• • • • • • •	· · · · · · ·	•••••	• • • • • •
	N I	GE	GE	GE	GE	GE	GE	GΕ	GE	GE	ĞE	GE	GE	GE	GE	GE	GΕ
	ET	7	6	5	4	3	2 1/2	2		1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
	• • • • •								• • • • • • •								
	ce., }	63.4	47 /	63.5	63.5	63.5	63.6	47.4	47.4	47.4	47 4	47.4	47 4		49.4		
NU	CEIL	55.4	63.4	63.7	ω.,	03.3	03.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
	20000	66.3	66.4	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
-	18000	66.7	66.8	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
	16000	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
	14000	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	8.35	68.8	8.8	68.8	68.8	68.8	68.8	68.8
GE	12000	72.1	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE	10000	75.4	75,5	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE	9000	76.5	76.5	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE	8000	78.5	78.6	78.7	78.8	78.9	78.9	78.9	78.9	78.9	ፖሩ ጋ	79.0	79.0	79.0	79.0	79.0	79.0
GE	7000	80.5	80.6	80.8	80.8	20.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE	6000	83.5	83.6	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE	5000	87.6	87.7	87.9	88.0	88.1	88.2	88.2	88.2	88.2	გ8.3	88.3	88.3	88.3	88.3	88.3	88.3
GE	4500	89.1	89.2	89.4	89.5	89.6	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE	4000	91.4	91.6	91.8	92.0	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE	3500	92.8	93,0	93.3	93.4	93.6	93.6	93.7	93.7	93.7	93.8	23.8	93.8	93.8	93.8	93.8	93.8
GE	3000	94.3	94.5	94.8	95.1	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6
GE	2500	95.2	95.5	95.8	96.1	96.3	96.4	96.5	96.6	96.6	96.6	95.6	96.6	96.6	96.6	96.6	96.6
GE	2000	_	96.1	96.6	97.0	97.2	97.3	97.4	97.5	97.5	97.6	9.6	97.6	97.6	97.6	97.6	97.6
GE	1800	95.9	96.2	96.6	97.0	97.3	97.3	97.5	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE	1500	96.2	96.5	97.0	97.4	97.8	97.8	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
Gξ		96.4	96.7	97.3	97.8	98.2	98.3	98.5	\$8.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE	1000	96.6	97.1	97.7	98.2	98.6	98.7	99.0	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE	9001	96.7	97.2	97.8	98.3	98.8	98.8	99.1	99.2	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5
GE	800	96.7	97.2	97.9	98.4	98.8	98.9	99.2	99.3	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7
GE	700	96.7	97.2	97.9	98.4	98.8	98.9	99.2	99.3	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE	600	96.7	97.2	97.9	98.4	98.8	98.9	99.2	99.3	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE	Sno I	96.7	97.2	97.9	98.4	98.8	98.9	99.2	99.3	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9
GE	1	96.7	97.2	97.9	78.4	98.8	98.9	99.2	99.3	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9
CE	1	96.7	97.2	97.9	98.4	98.8	98.9 98.9	99.2	99.3	99.3	99.6 99.6	99.8	99.8	99.9	59.9	100.0	100.0
GE	200		97.2	97.9	98.4	98.8	98.9	99.2	97.3 99.3	99.3	99.6	99.8	99.8	99.9	99.9	100.0	100.0
GE		96.7	97.2	97.9	98.4	98.8	78.9	59.5	99.3	99.3	99.6	99.8	99.8	99.9	99.9		100.0
JL	,001	1	,,,,	,,	,,,	,,,,	· V • 7	,,,,		*****	,,,,	,,,,	77.0	**.7	,,,,	.00.0	100.0
GE	000	96.7	97.2	97.9	98.4	8.89	98.9	99.2	99.3	99.3	99.6	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7999

0 - 2 - 36

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 HOURS: 00-02

				LSI	TO UT	2: + /					MONT	H: MAY	HOUR	s: 00-0			
CEI	LING	• • • • • •		• • • • • •	• • • • • • •		VISIBIL	ITY I	STATUT	E MILES	•••••	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	••••	
ı		GE 7	GE 6	GE 5	GĘ.	GE 3	GE 2 1/2	GE 2	G5 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE	GE	GE	GE	GE
FE	E	-			•				1 1/2			3/4 	5/8	1/2	3/8	1/4	
ю	CEIL	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GΕ	20000	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE	18000		81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
	16000	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
	14000		82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GΕ	12000	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
	10000	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.2	86.2	86.2	80.3
GE	9000	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9
GE	8000		89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2
GE	7000	\$0.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2 92.3	90.2	90.3	90.3	90.3	90.3
GE	6000	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	72.3	¥2.3	92.5	92.5	92.5	92.5
GE	5000	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.7	95.7	95.7	95.7
GΕ	4500	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6
GE	4000	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5
GE	3500		97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
GE	3000	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1
GE	2500	99.1	99.2	99.4	99.4	99.4	99.4	99.4	29.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GΕ	2600	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
Œ	1800	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.
GΕ	1500		99.2	99.4	90.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	y9 .5	99.5	99.5	90.
GE	1200	99.1	99.2	99.4	89.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE	1000	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99,5
Œ	900		99.2	99.4	99.4	99.4	99.4	99.4	99.4	99,4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GΕ	800	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.
ĢΕ		99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	97.
GΕ	600	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99,4	99.4	99.4	99.4	99.5	99.5	99.5	99.
GE	500		99.2	99.4	99.4	99.4	99.4	99.4	99.4	99,4	99.4	99.4	99.4	99.5	99.5	99.5	99.
Œ	400		99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.
ĢE	300		99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0
GΕ	500		99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0
GE	100	99.1	97.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.
GE	000	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 PROVING GROUNDS UT PERIOD OF RECORD UT PERIOD UT

				LS	T TO UT	C: + 7					NO	TH: MAY	HOU	RS: 03-	05		
CE:	LING	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	VISIRI	I TY I	N STATU	TE MILE	• • • • • • • • • • • • • • • • • • •	•••••	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	•••••
	N I	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FE	ET	7	6	5	4	3	2 1/2	2		1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
• • •	•••••		• • • • • •	• • • • • •		• • • • • •				· • • • • • • •			• • • • • • •				
МО	CEIL	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
		10.5		70.0	.0.0		70.0	10.0	10.0	70.0	,0.0	70.0	70.0	70.0	70.0	70.0	76.0
	20000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79	79.2	79.2	79.2
	18000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
	16000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79 2	77.2	79.2	79.2	79.2
	14000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE	12000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE	10000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	35.8	85.8	85.8	85.8
GΕ	9000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE	8000	89.9	89.9	89.9	89.9	89.9	89.9	89.9	29.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE	7000	91.C	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE	6000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
		1			-	_						_					
GE	5000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	95.2	96.2	96.2	96.2	96.2	96.2	96.2
GE	4500	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE	4000	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE	5000	97.9	97.9	98.1	98.1	98.1	98,1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	9€.1	98.1	98.1
G€	3000	98.6	98.6	98.7	98.7	98.7	98.7	98.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE	2500	99.0	99.1	99.2	99.2	99.2	70.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE	2000	99.1	99.2	99.3	69.3	99.3	49.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	95.4	99.4	99.4
GE	1800		99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	1500		99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	1200		99.4	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	1000	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	900	99.3	99.4	99.5	99.5	95.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	79.8	99.8	99.8	99.8
GE	800	99.3	99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8 99.8	99.8	99.8	99.8
GE	700	99.3	99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.9	99.3	99.9	99.9	99.9	99.9
GE	600		99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.6	99.8	99.9	59.9	99.9			99.9
UE.	000	1 77.3	VY. 4	44.3	77.3	77.5	77.5	99.7	77.0	77.6	74.0	99.9	17.7	77.7	99.9	99.9	YY.Y
GE	560		99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	90.9	99.9	9 y.9	99.9	99.9	99.9
GE	400		99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99,8	100.0	100.0	100.0	100.0	100.0	100.0
GΕ		99.3	99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	160.0	100.0	100.0
GE	200		99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	00.0	100.0	100.0	100.0	100.0	100.0
GΕ	100	99.3	99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	100 3	100.0	100.0	100.0	100.0	100.0
GE	3 0 0	99.3	\$9.4	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	100.9	100.0	100.0	100.0	100.0	100.0
				• • • • • •		•••••	• • • • • • • •							•••••		• • • • • • •	

TOTAL NUMBER OF OBSERVATIONS 873

0 - 2 - 33

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGUAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: MAY HOURS: 06-08 VISIBILITY IN STATUTE MILES CEILING GE GE GE GE GE GE GE GE 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 GE GE 19 3 5 FFF? 4 1/2 3/8 1/4 6 O MO CEIL 1 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 GE 20000 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.9 75.9 75.9 75.9 75.9 75.9 75.9 75.9 GE 18000 75.9 75.9 75.9 75.0 75.9 75.9 75.9 75.9 GE 16000 76.1 76.1 76.1 76.1 76.1 7ó.1 76.1 76.1 76.1 76.1 76.1 76.1 76.1 76.1 76. i 76.1 GE 14000 77.3 77.3 77.3 77.3 77,3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 80.6 80.6 å0.6 GE 12000 80.6 80.6 80.6 80.6 80.6 80.6 80.6 80.6 80.6 80.6 GE 10000 84.0 84.0 84 0 84 0 84.0 84.0 84.0 84.0 84.0 84.0 64.0 84.0 84.0 84 0 84 0 84 G 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 GΕ 9000 85.5 85.5 85.5 85.5 85.5 85.5 25.5 GE 8000 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 GE 7000 89.5 89.5 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 GF 6000 94.5 94.5 94.5 GE 5000 04.3 94.3 94.4 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 GE 4500 95.2 95.2 95.2 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 96.3 96.3 96.3 96.3 96.3 26.3 GE 4000 96.0 96.0 96.1 96.3 96.3 96.3 96.3 96.3 95.3 96.3 96.9 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 GE 3500 96.7 97.1 96.7 97.7 97.6 97.6 98.1 Œ 3000) 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 95.1 98.1 98.1 2500 98.0 98.0 96.2 98.6 98.6 96.6 \$3.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 Gξ 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.4 99.4 99.4 99.4 99.4 98.5 98.5 98.9 99.4 GΕ 2000 99.3 99.5 99.5 1800 98.6 88.6 99.3 99.3 99.3 99.3 99.4 99.5 79.5 99.5 98.9 99.3 99.5 GE 99.6 99.5 99.5 99.5 98.7 99.1 99.5 99.5 99.5 99.7 99.7 90.7 90.7 90.7 90.7 GE 1500 98.7 99.1 99.6 99.7 3.00 99.6 12001 98.7 98.7 99.5 99.4 99.9 90 0 90.9 99.1 99.5 99.6 99.6 99.6 99.6 99.0 99.7 99.8 9.8 99.9 99.9 99.9 99.5 GE 1000 98.7 9\$.7 98.7 99.6 99.7 99.9 99.9 900 99.1 99.5 99.6 99.6 99.6 99.6 100.0 100.0 100.0 100.0 98.7 GE 99.6 99.6 99.6 00.5 99.6 99.6 99.7 99.9 100.0 99.1 00 0 GΕ 800 98.7 98.7 100.0 100.0 100.0 99.6 99.5 99.6 99.6 99.7 99.9 GE 700 98.7 98.7 99.1 99.6 99.6 99.9 100.0 100.0 160.0 100.0 99.1 99.5 99.6 99.6 99.6 99.6 99.6 99.7 99.9 99.9 100.0 100.0 100.0 100.0 GE 600 98.7 98.7 99.5 98.7 99.1 99.5 99.6 99.6 99.6 99.6 99.7 99.9 99.9 100.0 100.0 100.0 100.0 GF 500 QR 7 99.5 99.6 9.6 99.6 99.1 99.6 99.6 99.7 99.9 GE 400 98.7 98.7 99.9 100.0 100.0 100.0 100.0 99.6 99.5 99.6 99.7 99.9 GE 300 98.7 98.7 99.1 99.6 99.6 99.6 99.9 100.0 100.0 100.0 100.0 98.7 99.1 99.5 99.6 99.6 99.6 99.6 99.6 99.7 99.9 99.9 100.0 100.0 100.0 100.0 GΕ 200 98.7 99.6 99.6 99.6 99.6 99.9 99.6 99.9 100.0 100.0 100.0 100.0 98.7 98.7 100 GE

TOTAL NUMBER OF OBSERVATIONS 1527

GE

000 98.7 98.7 99.1 99.5 99.6 99.6 99.6 99.6 99.7 99.9 90.9 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: MAY HOURS: 09-11 CEILING VISIBILITY IN STATUTE MILES Œ l M GÉ GE. Œ GE GE GE GE GE GE GE FEET 5 3 2 1/2 2 1 1/2 1 1/4 1 5/8 MO CELL 74.3 74.4 74.4 74.4 74.4 74 4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 77.4 77.4 GE 20000 77.3 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.5 77.5 77.5 77.5 77.5 77.5 77.5 77.5 77.5 77.5 GE 18000 77.4 77.5 77.5 77.5 77.5 77.5 GE 16000 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.5 77.6 77.6 GE 14000 78.6 78.6 78.6 78.6 78.6 78.6 78.5 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 **GE 12000** 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 89.7 80.7 Œ 10000 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 Œ 9000 84.7 84.8 84.8 84.8 84.8 84.8 84.5 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 86.9 8000 86.9 86.9 86.9 86.9 86.8 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 GE 86.9 ĢĒ 7000 88.4 88.4 88.4 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 5000 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 92.2 92.2 92.2 GF 5000 92.0 V2.1 92.1 92.2 92.2 92.2 02.2 02 2 92 2 92 2 92 2 92 2 92.2 93.2 93.2 93.2 4500 93.1 93.2 73.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 94.6 94.6 94.6 94.6 Œ 4000 94.3 94.5 94.5 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 3500 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 GE 95.5 95.6 95.7 95.7 95.7 Œ 3000 97.2 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 98.5 98.4 98.5 98.5 98.5 98.5 98.5 GE 2500 97.8 96.0 98.1 98.4 98.4 98.4 98.4 98.4 98.5 GE 2000 98.2 98.4 98.6 98.9 98.9 98.9 98.9 98.9 98.9 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.1 99.1 99.1 99.1 99.1 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.1 Œ 1800 98.4 96.6 98.8 1500 99.4 99.4 99.4 99.4 99.4 99.5 99.5 99.5 99.5 99.5 99.5 99.5 98.4 98.9 90.3 GE 98.7 99.4 00 5 99.5 49.5 90.5 99.5 99.5 GE 1200 98.4 98.8 99. n 99.5 00.5 99.5 99.5 90.5 99.1 99.5 99.6 99.6 99.6 99.5 99.6 99.7 99.7 99.7 99.7 99.7 99,7 99.7 GE 1000 53.4 98.3 Œ 99.8 99.8 99,9 99.7 99.7 99.8 99.9 99.9 99.9 99.9 100.0 900 98.4 98.9 99.2 99.6 100.0 96.4 99.2 99.6 99.7 99.9 800 98.9 99.7 99.8 99.8 99.8 59.9 99.9 99.9 99.9 100.0 100.0 99.9 99.2 99.7 99.8 99.8 99.8 99.9 99.9 99.9 100.0 Œ 700 98.4 98.9 99.6 99.7 90.0 100.0 600 99.2 99.8 99.8 99.8 99.9 99.9 99.9 99.9 99.9 100.0 100.0 99.6 99.8 500 98.4 98.0 99.2 99.7 99.7 99.8 99.8 00.0 99.9 00.0 99.9 00 0 100.0 100.0 GE 99.9 99.9 99.9 99.9 100.0 99.2 99.6 90.7 99.7 99.8 00 A 99.8 99.9 400 98.4 28.5 100 0 99.9 99.7 99.9 99.9 GE 300 98.4 98.9 99.2 99.6 99.7 99.8 99.8 99.8 99.9 99.9 100.0 100.0 200 99.2 99.7 99.7 99.8 99.8 99.8 99.9 99.9 99.9 99.9 99.9 100.0 100.0 GΕ 98.4 98.9 99.6 99.2 99.6 99.9 Œ 100 98.4 99.7 99.8 99.8 99.8 99.9 99.9 100.0 100.0 98.9 000 99.7 99.7 99.8 99.8 99.8 99.9 90.9 99.9 99.9 99.9 100.0 100.0 98.4 98.9 99.2 99.6

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST 10 UTC: + 7 MONTH: MAY HOURS: 12 14

				LS	ווט טוו	:: + /					MONT	H: MAY	HOURS	S: 12 1	4		
	LING				• • • • • • •	• • • • • •			STATUT			• • • • • • •	• • • • • •	• • • • • •	•••••		• • • • • •
	N Et	GE 7	G€ 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE O
NO	CEIL	69.9	69.9	69.9	79.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE	20000	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
	18000	74.4	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
	16000	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
	14000 12000	75.5 77.6	75.5 77.6	75.5 77.6	75.7 77.8	75.7 77.8	75.7 77.8	75.7 77.8	75.7 77.8	75.7 77.8	75.7 77.8	75.7 77.8	75.7 77.8	75.7 77.8	75.7 77.8	75.7 77.8	75.7 77.8
QL.	12000		77.0	11.0	77.0	,,,,		71.0	17.0	77.0	//.0	77.0	77.0	77.0	77.0	77.0	77.0
	10000	80.8	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE	9000	81.6	81.6	81.6 83.7	81.8 83 .9	81.8 83.9	81.8 83.9	81.8	81.8	\$1.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE ('E	8000 7000	83.6 85.0	83.7 85.1	85.1	85.3	85.3	85.3	83.9 85.3	83.9 85.3	83.9 85.3	83.9 85.3	83.9 85.3	83.9 85.3	83.9 85.3	83.9 85.3	83.9 85.3	83.9 85.3
ĴΕ	6000	88.8	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
	F000		04.5	A. E	01.7	A. 7	01.7	A4 7	04.7		A. 7		A1 7		01.7		
GE GE	5000 4500	91.4	91.5 92.7	91.5 92.7	91.7 92.9	91.7 92.9	91.7 92.9	91.7 92.9	91.7 92.9	91.7 92.9	91.7 92.9	91.7 92.9	91.7 92.9	91.7 92.9	91.7 92.9	91.7 92.9	91.7 92.9
GE	4000	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE	3500	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE	3000	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE	25001	97.9	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE	2000	99.0	99.1	99.2	99.5	99.5	90.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	1800	99.0	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
6E	1500	99.0	99.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
Œ	1200	99.1	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	1000	99.1	99.2	99.4	99.7	99.7	99.7	97.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	900	99.1	99.2	94.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GΕ	800	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99,9	99.9	99.9
Œ	700		99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
ĢĒ	600	99.1 :	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99,9	99.9
GE	500	99.1	59.2	99.4	99.7	6.00	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	400	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	300	99.1	99.2	99.4	99.7	99.8	99.8	8.99	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE	200 I	99.1	99.2 99.2	99.4 99.4	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	100.0	100.0 100.0	100.0 100.0
JE	100	77. 1 	٧٧.٧	Y7 . 4	77,7	77.0	77.0	77.0	77.0	77.0	₹¥.¥	77.7	77.7	YY.Y	100.0	100.0	100.0
GE	000	99.1	99.2	99.4	99.7	99.8	99.8	8.89	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: DUGLAY PROVING GROUNDS UT LST TC UTC: + 7 PERIOD OF RECORD: MAY 60 - APR 90 MONTH: MAY HOURS: 15-17 STATION NUMBER: 690110

CEI	LING	• • • • • •	• • • • • • •	•••••		• • • • • •	VISIBI	LITY I	TUTATE 1	E MILE		• • • • • • • •		• • • • • •	• • • • • • •	•••••	•••••
	N I	GE	GE	GE	GE	GΕ	GE	GE	ĢE	GE	GE	GE	GE	GE	GE	GE	GE
FE	ET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	, 1	3/4	5/8	1/2	3/8	1/4	٥
	•••••		• • • • • •	• • • • • •		• • • • • •	•••••	• • • • • •	.	• • • • • •		• • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • •
HO	CEIL	68.3	68.5	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE	20000	71.0	71.2	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE	18000	71.3	71.5	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE	16000	72.0	72.2	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
	14000	72.7	72.8	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GΕ	12000	74.8	74.9	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE	10000	77.3	77.5	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE	9000	78.5	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
ĞĒ	8000	79.5	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE	7000	81.4	81.6	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE	6000	86.6	86.8	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
		1															
GE	5000	91.6	91.8	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE	4500	93.1	93.3	93.6	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
G€	4000	94.8	95.0	95.4	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
ĢΕ	3500	95.6	95.8	96.3	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE	3000	96.9	9 7.1	97.5	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.C	98.0	98.0
GE	2500	97.5	97.7	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	93.6
GE	2000	98.3	98.5	98.9	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	1800	98.3	98.5	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	1500	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	1200	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	1000	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.0	99.9	99.9
GE	900	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	800	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	700		98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GΕ	600		98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
05	500		00.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500		98.7			99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE GE	400 300	98.5 98.5	98.7 98.7	99.4 99.4	99.7 99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	200	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100		98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UE	100	1 70.5 	¥0./	77.4	77.7	77.0	77.7	77.7	77,7	77.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	98.5	98.7	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGUAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: MAY HOURS: 18-20 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE 2 1/2 2 1 1/2 1 1/4 GΕ GE GE 1 N IN GE GE GE GE GE FEET 7 6 5 4 3 1 3/4 5/8 1/2 3/8 1/4 0 GE 200001 65.0 65.0 65.0 65.2 65.5 65.5 65.5 65.5 65.5 65.6 65.6 65.6 65.6 65.6 65.6 65.6 GE 18000 65.1 65.1 65.1 65.4 65.6 65.6 65.6 65.7 65.7 65.7 65.6 65.6 65.7 65.7 65.7 65.7 65.4 65.9 GE 16000 65.4 65.4 65.6 65.8 65.8 65.8 65.8 65.8 65.9 65.9 65.9 65.9 65.9 65.9 67.4 69.7 67.4 67.4 67.0 67.3 67.3 GE 14000 66.8 66.8 67.3 67.3 67.3 67.4 67.4 67.4 66.8 67.4 69.1 GE 12000 69.1 69.1 69.3 69.5 69.5 69.5 69.5 69.5 69.7 69.7 69.7 69.7 69.7 69.7 74.0 GE 10000 73.5 73.5 73.5 73.7 74.0 74.0 74.0 74.0 74.1 74.1 74.1 74.1 74.1 74.1 74.1 GΕ 9000 74.2 74.2 74.2 74.4 74.7 74.7 74.7 74.7 74.7 74.8 74.8 74.8 74.8 74.8 74.8 74.8 8000) 76.0 76.0 76.0 76.2 76.5 76.5 76.5 76.5 76.5 76.6 76.6 76.6 76.6 76.6 76.6 76.6 79.0 79.5 79.5 79.6 79.6 79.0 79.0 79.2 79.5 79.5 79.5 79.6 79.6 79.6 79.6 79.6 GE 7000 6000 85.5 85.5 85.5 85.9 86.1 86.1 86.1 86.3 86.3 86.3 86.3 86.3 86.3 91.0 91.0 91.0 91.5 91.8 91.9 92.0 92.0 92.0 92.1 92.1 92.1 92.1 92.1 92.1 92.1 GE 5000 4500 93.3 95.7 93.4 95.8 93.1 93.4 92.4 95.2 93.3 93.4 93.4 92.4 92.8 93.3 93.4 93.4 93.4 GE 92.4 95.7 95.8 95.2 95.8 94.7 95.7 95.8 95.8 GE 4000 94.7 94.7 95.5 95.6 95.8 95.8 3500 95.3 95.3 95.3 95.8 96.1 96.2 96.3 96.3 96.3 96.4 96.4 96.4 96.4 96.4 96.4 96.4 GE 3000 97.0 97.0 97.0 97.5 97.7 97.8 98.0 98.0 98.0 98.1 98.1 98.1 98.1 98.1 98.1 98.1 99.0 99.2 99.3 99.3 99.3 GΕ 2500 98.2 98.2 98.3 98.8 99.4 99.4 99.4 99.4 99.4 99.4 99.4 98.4 99.4 99.5 99.5 98.3 98.3 98.9 99.2 99.3 99.4 99.4 99.5 99.5 99,5 99.5 99.5 GE 2000 99.4 99.5 99.5 99.5 1800 98.3 98.3 98.4 98.9 99.2 99.3 99.4 99.4 99.5 99.5 99.5 99.5 ĠΕ 98.4 99.4 99.5 99.5 99.5 99.6 99.6 99.6 99.6 99.6 99.6 98.3 99.0 99.3 99.6 GE 1500 98.3 99.5 99.6 99.6 99.6 1200 98.3 98.3 98.4 99.0 99.3 99.4 99.5 99.5 99.6 99.6 99.6 99.6 GΕ 1000 98.3 98.3 98.4 99.0 99.4 99.5 99.6 99.6 99.8 99.8 99.8 99.3 99.8 99.8 99.8 99.9 99.9 900 98.3 98.3 98.4 99.0 99.5 99.6 99.8 99.8 99.8 99.9 99.9 99.9 99.9 GE 99.8 99.9 800 98.3 98.3 98.4 99.0 99.5 99.6 99.8 99.8 99.9 99.9 99.9 99.9 99.9 99.9 GE 99.5 99.8 99.8 99.8 99.9 99.9 99.9 99.9 9.9 98.3 99.0 99.6 99.9 700 i 98.3 98.4 GE 99.0 99.5 99.6 99.8 99.8 99.8 99.9 99.9 99.9 99.9 99.9 99.9 ĠΕ 600 98.3 98.3 98.4 99.9 500 98.3 98.3 98.4 99.0 99.5 99.6 99.8 99.8 99.8 97.9 99.9 99.9 99.9 100.0 100.0 100.0 400 98.3 98.4 99.0 99.5 99.6 99.8 99.8 99.8 99.9 99.9 99.9 99.9 100.0 100.0 100.0 GE 98.3 99.6 GE 300 98.3 96.3 98.4 99.0 99.5 99.8 99.8 99.8 99.9 99.9 99.9 99.9 100.0 100.0 100.0 99.5 99.8 99.8 99.8 99.6 99.9 99.9 99.9 99.9 100.0 100.0 100.0 200 98.3 98.3 98.4 99.0 ĠΕ 98.4 99.6 GE 100 [98.3 98.3 99.0 99.5 99.8 99.8 99.8 99.9 99.9 99.9 100.0 100.0 100.0 99.0 99.5 99.6 99.8 99.8 99.8 99.9 99.9 99.9 99.9 100.0 100.0 100.0 000 98.3 98.3 98.4

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - AFR 90 LST TO UTC: + 7 MONTH: MAY HOURS: 21-23 VISIBILITY IN STATUTE MILES CEILING GE IN GΕ GE GE **GE** GE GE GE GE FEET 2 1/2 1 1/2 1 1/4 5/8 1/2 0 73.4 73.6 73.6 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.9 NO CEIL 73.9 73.9 73.6 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.9 **GE 20000** 73.4 73.6 73.9 73.9 73.9 73 9 GE 18000 73.9 74.2 74.2 74.2 74.2 73.9 74.2 74.2 74.2 74.2 74.2 73.7 74.2 74.2 74.2 74.2 73.9 GE 16000 73.9 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2 73.7 74.2 74.2 GE 14000 74.5 74.7 74.7 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 GE 12000 77.4 77.4 81.6 81.7 82.0 GE 10000 81.7 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.2 82.2 82.2 82.2 82.9 82.9 82.9 82.9 82.9 82.9 GΕ 9000 82.5 82.6 82.6 82.9 82.9 82.9 83.1 83.1 83.1 83.1 8000 83.1 83.3 83.3 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.7 83.7 83.7 83.7 85.3 85.4 7000 84.9 84.9 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.4 85.4 GE 84.8 85.4 6000 88.5 82.5 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.9 88.9 88.9 88.9 GE 88.3 93.9 93.9 93.2 93.2 93.9 93.9 93.9 93.9 93.9 93.9 93.9 94.0 94.0 94.0 94.0 GE 5000 93.1 94.6 4500 93.7 93.9 93.9 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.6 94.6 94.6 GE 4000 95.5 95.7 95.7 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.5 96.5 96.5 96.5 GE 3500 95.7 95.9 95.9 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.6 96.6 96.6 96.6 GE 98.5 99.1 99.1 99.2 3000 08.3 98.5 99.8 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 99.2 99.2 99.8 90. B GE 2500 99.1 2000 99.1 99.2 99.2 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 GE 99.1 99.2 99.8 GE 1800 99.2 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 99.8 99.8 99.1 99.2 9.2 99.8 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 GE 1500 99.8 99.8 99.8 99.8 1200 99.1 99.2 99.2 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 GE 1000 99.1 99.2 99.2 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 GE 99.8 99.8 99.8 99.8 99.8 99.2 99.8 99.8 99.8 99.8 100.0 100.0 100.0 GE 900 İ 99.1 99.2 99.8 99.2 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 100.0 00.0 100.0 100.0 GE ROOL 99.1 99.2 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 GE 700 99.1 99.2 99.2 100.0 100.0 100.0 100.0 99.1 99.8 600 99.2 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 GE GF 5001 99.1 99.2 99.2 99.8 99.8 99.8 99.8 99.8 99.8 99.A 99.8 99.8 100.0 100.0 100.0 100.0 99.8 99.1 99.2 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 GE 400 99.2 90 R 90 R 99.8 99.8 99.8 99.8 97.8 99.8 99.8 GE 300 99.1 99.2 99.2 99.8 ₹9.B 99.8 100.0 100.0 100.0 100.0 200 99.1 99.2 99.2 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.C 100.0 100.0 GE 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 GE 100

TOTAL NUMBER OF OBSERVATIONS 651

99.2 99.2 99.8

000 99.1

GF

D - 2 - 44

99.8 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: MAY HOURS: ALL

				LS	TO UT	C: + 7					MONT	H: MAY	HOURS:				
CE 1	LING					• • • • • •	VISIBI	LITY IN	STATUT	E MILES	•••••	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •
I FE		GE 7	GE 6	GE S	GE 4	GE 3	GE 2 1/2	Œ Œ	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE O
•••			• • • • • •		• • • • • •	• • • • • •		• • • • • •	*****	• • • • • •	•••••	•••••	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •
NO	CEIL	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
	20000	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
	18000	74.9	74.9	74.9	75.0	75.1	75.1	75.1	75.1	75.1	73.1	75.1	75.1	75.1	75.1	75.1	75.1
	16000	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
	14000	76.1	76.1 78.4	76.1 78.4	76.2 78.5	76.3 78.6	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
UK.	12000	78.3	70.4	70.4	70.5	78.0	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
	10000	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE	9000	82.7	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE GE	8000 7000	84.7 86.3	84.7 86.4	84.8 86.4	84.9 86.5	84.9 86.5	84.9 86.5	84.9 86.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE	6000	89.7	89.7	89.7	89.9	89.9	89.9	89.9	86.5 89.9	86.5 89.9	86.6	86.6 89.9	86.6 89.9	86.6 89.9	86.6 83.9	86.6 89.7	86.6 89.9
UE	5000	37.7	QY.7	O7.7	97.7	67.7	07.7	97.7	09.9	OY. Y	Q7.7	67.7	C7.7	67. 7	D~, Y	69.7	07.7
GE	5000	92.9	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE	4500		94.0	94.1	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE	4000	95.3	95.4	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	9 5.8	95.8
GE	3500		96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	36.7	96.7	96.7	96.7	96.7	96.7	96.7
GE	3000	97.5	97.6	97.7	98.0	98.0	98.1	98.1	98.1	98,1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE	2500	98.2	98.3	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE	2000	98.7	98.8	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	1800		98.8	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99,5	99.5	99.5	99.5	99.5	99.5
Œ	1500		98.9	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE	1200	98.8	98.9	99.2	99.5	99.6	99.6	99.6	99.6	9 9.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	1000	98.8	98.9	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE	900	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
Œ	800		98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
G€	700		98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	9¢.8	99.9	99.9	99.9	99.9
GE	600	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE	500	98.5	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99,9	99.9
ĞE	400		98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	8.99	99.9	99.9	99.9	160.0	100.0	100.0
GE	300	,	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	160.0
GE	500		98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE	100	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE	0001	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APP 90 LST TO UYC: + 7 MONTH: JUN HOURS: 00-02

				LS	TOU	C: + 7					HON	TH: JUN	HOUR	IS: 00-0			
CEI	LING	• • • • • •	•••••	• • • • • •	•••••	• • • • • • •	VISIB	ILITY I	N STATU	TE HILE	S	• • • • • •	• • • • • •	• • • • • •		• • • • • •	• • • • • •
1	N	GE	GE	GE	GŁ	GE	GE	GE	GE	GE	GE	GΕ	GE	GE	GE	GE	GE
FE	ET	7	Ó	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
•••	• • • • • •	;	******					• • • • • • •		•••••		• • • • • •	• • • • • • •			• • • • • •	•••••
MO	CEIL	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
	20000		81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
	18000	81.0	81.0	81.0	81.0	31.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
	16000		81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
	14000		81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4 84.8	81.4	81.4	81.4	81.4
GE	12000	84.8	84.8	84.8	8.≱6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	04.0	84.8	84.8	84.8	84.8
	10000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE	9000	67.8	87.8	87.8	87.8 88.9	87.8 88.9	87.8 88.9	87.8 88.9	87.8 88.9	87.8	87.8 88.9	87.8 88.9	87.8 88.9	87.8 88.9	87.8 88.9	87.8	87.8
GE CE	8000 7000	88.9	88.9 89.8	88.9 89.8	89.8	89.8	89.8	89.8	89.8	88.9 89.8	89.8	89.8	89.8	89.8	89.8	88.9 89.8	88.9 89.8
GE	6000		95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
OC.	0000	77.7	73.7	73.7	73.7			,,,,							,,,,	• • • • •	,,,,
GΕ	5000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97. 1	97.1	9 7.1	97.1	97.1	97.1	97.1
GE	4500		97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE	4000	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	3500		99.2	99,4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4 99.5	99.4	99.4	99.4
GE	3000	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	79.5	99.5	99.5	99.5
GΕ	2500	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	2000	99.4	99.5	99.7	99.7	97.7	9 9.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	1800	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	1500		99.8	100.0	100.0	100.0	100.0	100.0	167.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1200	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1000	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.6	100.0	100.0
GE	900		99.8		100.0					100.0			100.0	100.0	100.0	100.0	100.0
GE	800		99.8	100.0		100.0	100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0
GE	700		99.8	100.0		100.0				100.0				100.0	100.0	100.0	100.0
GE	600	99.7	99.8	100.0	100.C	100.0	100.0	100.0	100.0	100.0	100.0	106.0	100.C	100.0	100.0	105.0	100.0
GE	500	99.7	99.8		100.0					100.0					100.0	100.0	100.0
ĢĒ	400		99.8	100.0		100.0				100.0				100.0	100.0	100.0	100.0
GE	1	99.7	99.8	100.C	100.0					100.0					100.0	100.0	100.0
GE		99.7	99.8		100.0	100.0	100.0			100.0				100.0	100.0	100.0	100.0
GE	100	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	99.7	99.8	100.0	100.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.6	100.0	100.0	100.0	100.0
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TOTAL NUMBER OF OBSERVATIONS 530

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PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING SROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: JUN HOURS: 03-05 CETLING. VISIBILITY IN STATUTE MILES GF GE GE 2 1 N GE GE GE GE GE GE GE GE FEET 3 2 1/2 1 1/2 1 1/4 0 1 3/4 5/8 1/2 3/8 1/4 NO CELL 81.1 81.1 GE 20000 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 GE 18000 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 B1.4 GE 16000 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 GF 14800 i 82.3 82.3 82,3 82.3 82.3 82.3 82.3 82.3 82,3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 65 12000 85.1 85.1 85.1 85.1 85,1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85,1 85.1 85.1 85.1 6. 10090 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 GE 50001 88.9 88.9 91,3 91.3 91.3 91.3 91,3 91.3 91.3 91.3 91.3 GE Acont 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.6 91.6 91.6 91.6 91.6 91.6 G. 7000 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 GE 3**00**0 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 GE 50061 97.2 97.2 97.2 97.2 4:00 73 1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 GE 4000 95 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.2 99.2 99.2 99.2 99.2 99.2 99.2 GE 3500 99 1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.2 99.2 99.2 99.2 99.2 99.2 99.2 90 99.4 90.4 99.5 99.5 GE 99.4 99.4 99.4 99.4 99.5 9Ç.5 99 5 99.5 99.5 30001 99.4 99.4 99.5 GE 2500 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.5 99.5 99.5 99.5 99.5 99.5 99.4 99.2 99.4 99.4 99.5 99.5 99.5 GE 2000 99.4 99.4 99.4 99.4 99.4 99.5 99.5 99.5 99.5 GE 1800 99.4 39.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.9 99.9 99.9 GE 1500 99 8 ¥9.3 99.9 99.9 99.9 99.9 GE 9,90 99.8 99.8 99.8 99.3 9.90 99.8 00.9 00 0 90.9 99.9 99 9 1200 67.8 99.8 90.0 00 0 99.8 99.3 99.8 99.8 ĠΕ 1000 99.8 99.8 30.8 99.8 99.8 99.9 99.9 99.9 99.9 99.9 100.0 100.0 9K . B 99.8 99.8 99.8 99.8 99.9 99.9 99.9 99.9 GE 900 i 99.8 8.78 8.99 99.8 99.9 106.0 100.0 79.8 90.8 ĞĒ 800 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.9 99.9 99.9 99.9 99.9 100.0 100.0 95.8 99.3 99.8 99.8 00.8 99.8 90.8 99.8 00 0 90.9 99.8 90.0 00 0 00.0 GE 700 100.0 100.0 ĢE 600 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.9 00.0 00.0 99.9 99.9 100.0 100.0 99.9 ĞΕ 500 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.9 99.9 100.0 100.0 99.8 99.8 00 R 99.8 90 A 99.8 99.8 99.8 99.9 99.9 99.9 99.9 99.9 GE 400 99.8 100.0 100.0 99.8 99.8 99.8 99.8 99.8 99.8 8.99 99.8 99.9 90.0 99.0 99.9 99.9 GE 300 99.8 100.0 100.0 99.8 GE 200 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.9 99.9 99,9 99.9 99.9 100.0 100.0 99.8 99.8 99.8 99.8 99.8 99.9 99.9 99.9 GE 100 99.8 99.8 99.8 99.8 100.0 100.0 8.99 000 99.8 99.8 99.9 99.9 99.9 99.9 99.9 100.0 100.0 99.8 99.8 99.8 99.8 99.8

TOTAL NUMBER OF CBSERVATIONS 853

GE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VICIBILITY FROM HOURLY GASERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: HAY 60 - APR 90 LST TO UTC: + 7 MONTH: JUN HOURS, 06-08 CEILING VISIBILITY IN STATUTE MILES GΕ 1 N GE ĢΕ GΕ Œ GE GF GE GE GE GF GF FEET | 7 5 4 2 1/2 1 1/2 1 1/4 6 3 2 1/2 3/8 1/4 1 3/4 5/8 Ų 78.8 78.8 78.9 78.9 78.9 NO CEIL 78.9 78.9 78.9 78.9 78.9 78.9 78.9 78.9 78.9 78.9 78.9 79.9 80.0 GE 20000 79.9 80.0 80.0 80.0 80.0 30.0 80.0 80.0 80.0 80.0 20.0 80.0 80.0 80.0 GE 18000 80.0 80.1 80.1 80.1 80.1 80.1 80.0 80.1 80.1 80.1 80.1 80.1 80.1 30.1 80.1 80.1 80.3 GE 15000 80.3 50.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 GE 14000 80.9 80.9 81.0 81.0 81.0 81.0 81.0 81.0 81.0 81.0 81.0 81.0 81.6 81.0 81.0 81.0 **GE 12000** 83.6 83.6 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 GE 10000 86.4 36.4 86.5 86.5 86.5 86.5 86.5 86.5 36.5 86.5 86.5 86.5 \$6.5 86.5 86.5 86.5 87.9 9000 87.9 87.9 87.9 87.9 87.9 87.9 87.9 37.9 GE 87.9 87.9 87.9 87.9 87.9 87.9 87.9 8000 90.7 90.8 90.8 GE 90.7 90.6 90.8 90.8 90.8 80.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 7000 92.3 92.3 92.3 92.3 92.3 92.3 GE 92.2 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3 90.5 6000 GE 94.4 94.5 94.5 94.5 94.5 5000 95.9 26.0 96.1 96.1 96.1 GE 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 4500 96.3 96.4 96.4 GE 96.3 96.4 96.4 96.4 96.5 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 97.4 GΕ 4000 97.3 97.5 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 3500 97.6 97.7 97.8 97.9 97.9 97.9 97.9 97.8 97.9 97.9 97.9 97.9 97.9 97.9 97.9 GΕ 97.9 28.9 GΕ 3000 98.6 98.7 OR C 98.5 98.9 98 9 98.9 28.9 98.9 98.9 98.9 98.9 93.9 98.9 98.9 98.8 99.0 99.1 99.1 GE 2500 98.6 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 GΕ 2000 98.8 99.0 99.2 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 1800 98.9 99.1 99.3 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 99.5 99.7 1500 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.1 99.3 49.7 99.7 99.7 99.7 99.7 99.7 ĞĒ GE 1200 99.1 99,3 99.5 99.7 99.7 99.7 99.7 90.7 99.7 99.7 99.7 49.7 99.7 99.7 29.7 99.4 99.6 99.8 99.9 GE 1000 99.1 99.8 99.8 Ÿ9.8 99.8 99.8 00.0 99.9 99.9 00.0 99.9 99.9 99.1 99.6 99.8 GE 900 99.4 99.8 99.8 99.8 79.8 99.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.1 99.6 99.8 99.8 800 99.4 99.8 99.8 99.9 GE 99.8 99.8 99.9 99.9 99.9 99.9 29.9 99.9 99.7 99.9 GE 700 99.2 99.5 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 90.9 99.9 90.9 99.9 600 99.2 99.5 99.7 99.9 99.9 99.9 00 9 00.0 99.9 99.9 99.9 99.9 99 9 99.9 GE 99.9 99.9 99.5 99.3 99.7 00 0 99.9 90.9 00 % GΕ 500 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 400 99.3 99.5 99.7 99.9 99.9 99.9 99.9 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 99.3 99.5 99.7 99.9 99.9 99.9 99.9 99.9 99.9 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 99.5 99.7 79.9 200 99.3 99.9 99.9 99.9 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100 99.3 99.5 99.7 99.9 99.5 GE 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.9 000| 99.3 99.5 99.7 99.9 99.9 99.9 GE 99.9 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 50 - APR 90 LST TO UTC: + 7 MONTH: JUN HOURS: 09-11 VISIBILITY IN STATUTE MILES CEILING GE GE GE 1 10 GE GE GE GE GE GE 2 1/2 2 1 1/2 1 1/4 FEET 7 6 5 4 3 1 3/4 5/8 1/2 3/8 1/4 82.1 82.1 82.1 82.1 82.1 82.1 GE 20000 83.0 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 GE 18000 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 GE 16000 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 65.4 GE 14000 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 86.9 86,9 86.9 86.9 86.9 86.9 GE 12000 86.9 86.9 86.9 86.9 86.9 86.9 86,9 86.9 86.9 86.9 GE 10000 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 8.88 88.8 88.8 88.8 88.8 88.8 88.8 GE 9000 GE 8000 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 92.5 GE 7000 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 GE 6000 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 GE 5000 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.5 96.6 96.6 96.6 96.5 96.6 95.6 96.6 96.9 GE 4500 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 97.0 GE 4000 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.U 97.0 97.0 97.0 97.0 97.0 97,9 GE 3500 97.9 97.9 47.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 GE 3000 98.9 98.9 99.0 29.1 99.1 99.1 GE 2500 99.3 99.1 99.1 99.2 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 90.3 99.7 99.4 99.7 99.7 GE 2000 99.3 99.5 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.5 99.8 99.8 99.8 99.8 99.8 GE 1800 99.4 99.6 99.8 99.8 99.8 99.8 GE 1500 99.5 99.5 99.7 99.7 99.4 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 GE 1200 99.5 99.6 99.7 99.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 GE 1000 99.6 99.7 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.7 99.8 99.9 100.0 100.0 100.0 99.6 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 900 100.0 99.7 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 800 99.6 99.6 GE 700 99.7 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.6 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 600 99.6 GE 5001 99.7 99.8 99.9 100.0 400 300 99.6 99.7 99.8 79.9 GE 99.9 GE 99.6 99.7 29.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 200 99.6 99.7 99.8 99.9 100,0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE GΕ 0001 99.6 99.7 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

FIRCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OGSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: JUN HOURS: 12-14 -----CELLING VISIBILITY IN STATUTE MILES T M GE GE GE GE Œ GE GE GE ĠE GE Œ FEET 2 1/2 1 1/2 1 1/4 1/4 3/4 5/8 1/2 3/8 0 MU CELL 77.5 GE 20000 80.2 80.1 80.1 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 30.2 80.2 80.4 80.4 GE 18000 80.4 80.4 80.4 50.4 30.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.7 80.8 80.8 80.7 80.8 30.8 GE 16000 80.8 80.8 80.8 80.8 80.8 8.98 80.8 80.8 80.8 80.8 GE 14000 81.4 81.4 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 GE 12000 83.4 83.4 83.4 83.4 83.4 83.4 83.4 83.4 83.4 83.4 85.4 83.4 83.4 83.4 85.5 85.6 85.6 SE 10000 85.5 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 9000 85.9 25.9 86.0 GE 86.0 36.0 86.0 86.0 85.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 8000 87.7 87.7 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 7000 89.8 89.9 89.9 89.9 89.9 89.9 89.9 G€ 89.8 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 GE 6000 92.8 92.8 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 GΕ 5000 96.3 96.3 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 GE 4500 96.6 96.6 96.8 96.8 96.8 8.69 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 GE 4000 97.6 97.6 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.5 3500 98.2 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 GE 98.2 98.3 08.3 98.3 98.3 98.3 98.3 99.0 99.2 99.2 99.0 99.2 99.2 99.2 90.2 99.2 99.2 99.2 GE 3000 99.2 99.2 99.2 99.2 99.2 GΕ 2500 99.4 99.4 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GΕ 2000 99.7 99.7 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 1800 99.7 99.7 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 90.8 GE 99.8 99.8 99.8 99.9 99.9 99.9 1500 99.7 99,9 99.9 99.9 99.7 99.9 90.0 99.9 99.9 29.9 99.9 GE 99.9 99.9 99.9 GE 1200 99.7 99.8 99.9 99.9 69.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.5 ĠE 1000 99.7 99.8 99.9 99.9 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.7 99.8 99.9 99.9 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 900 GE \$9.9 99.9 800 99.7 99.8 99.9 99.9 100.6 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.9 GE 700 99.7 99.8 99.9 99.9 99.9 100.0 103.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.7 99.9 500 99.8 99.9 99,9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.9 99.7 99.8 99.9 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 400 GE 300 99.7 99.8 99.9 99.9 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.9 GE 200 99.7 99.8 99.9 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100 99.7 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100 0 100 0 0001 99.7 99.8 99.9 99.9 99.9 99.9 100.0 100.0 106.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGGAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HONTH: JUN HOURS: 15-17

				LU	10 0:0	L: + /					PLAN	IN: JUN	KUUK	5 : 15·1	1		
CEI	CEILING VISIBILITY IN STATUTE MILES IN GE GE GE GE GE GE GE GE GE GE GE GE GE																
		GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2					GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE O
NO (CEIL	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
	20000 18000		75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2
	16000		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
	14000 12000	75.5 77.5	75.7 77.7	75.7 77.7	75.7 77.7	75.7 77.7	75.7 77.7	75.7 77.7	75.7 77.7	75. 7 77.7	75.7 77.7	75.7 77.7	75.7 77.7	75.7 77.7	75.7 77.7	75.7 77.7	75.7 77.7
	10000		80.2	80.3 81.2	80.3 81.2	80.3 81.2	80.3 81.2	80.3	80.3 81.2	80.3 81.2	80.3 81.2	80.3 81.2	80.3	80.3	80.3	80.3	80.3
GE	8000	82.6	81.1 82.8	82.8	82.8	82.8	82.8	81.2 82.3	82.8	82.8	82.8	82.8	81.2 82.8	81.2 82.8	81.2 82.8	81.2 82.8	81.2 82.8
GE	7000		85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE	6000	90.5	90.8	90.9	91.0	91.0	91.0	91.0	91.0	9 1.0	¥1.0	91.0	91.0	91.0	91.0	91.0	91.0
GE	5600		95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE	4500	96.2 97.0	96.4	96.6	96.8 97.8	96.8 97.8	96.8 97.8	96.8 97.8	96.8 97.8	96.8 97.8	96.8 97.8	96.8	96.8	96.8 97.8	96.8	96.8	96.8
GE GE	350C		97.3 97.8	97.5 98.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	97.8 98.4	97.8 98.4	98.4	97.8 98.4	97.8 98 .4	97.8 98.4
GE	3000	98.2	98.5	98.7	99.0	99.0	99.0	99.1	99.1	99-1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	2500		8.89	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE	2000	98.7	99.0	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE GE	1800		99.0 99.0	99.2 99.2	99.4 99.4	99.4 99.4	99.5 99.5	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7
GE	1200		99.0	99.2	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	1000	99.0	99.3	99.4	99.7	99.7	99.8	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
G€	900	99.0	99.3	99.4	99.7	99.7	99.8	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	800		99.3	99.4	99.7	99.7	99.8	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE GE	600	99.0 99.0	99.3 99.3	99.4 99.4	99.7 99.7	99.7 99.7	99.8 99.8	100.0	100.0		100.0	160.0 106.0	100.0	100.0	100.0	100.0	100.0 100.0
		1	•-		-												
GE		99.0	99.3	99.4	99.7	99.7	99.8 ∝ °	100.0	100.0			100.0		100.0	100.0	100.0	100.0
GE GE		99.0 99.0	99.3 99.3	99.4 99.4	99.7 99.7	99.7 99.7	99.8 99.8	100.0	100.0		100.0		100.0	100.0 100.0	100.0	100.0	100.0
GE		99.0	99.3	99.4	99.7	99.7	99.8	100.0	100.0		100.0		100.0	100.0	100.0	100.0	100.0
GE		99.0	99.3	99.4	99.7	99.7	99.8	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0
GE	000	99.0	99.3	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: JUN HOURS: 18-20

				LS	וט סז ז	rc: + 7					MON	ITH: JUN	HOU	RS: 18	20		
CE I	LING	<i></i> .	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	VISIR	11 277	IN STATE	TE MILE		• • • • • • •		•••••		• • • • • •	
	N	GE	GΕ	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GΕ	GE	GE	G E
	EΤ	7	6	5	4	3	2 1/2			1 1/4		3/4	5/8	1/2	3/8	1/4	0
		· · · • • • •							• • • • • • •		·			• • • • • • • •			
		72.0	32 O	72.0	72.0	72.0	*2.0	72.0	33.0	* 0	72.0	 2 0	70.0	22.0	*	30.0	
NO	CEIL	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE	20000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE	18000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
	16000		72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE	14000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
ĢE	12000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.B	75 - 8	75.8	75.8	75.8	75.8	75.8
GE	10000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE		80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE		81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE		85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE		92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
-	0000	1					72.1	7	,,,,,	,			,		,	,,,,	,
GE	5000	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	3.69	96.8	96.8	96.8
GΕ	4500	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.B	97.8	97.8	97.8	97.8	97.8	97.8
GE	4000	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE	3500	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE	3000	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE	2500	99.0	99.4	99.4	99.5	99.5	49.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE		99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE		99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE		99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		99.4	99.8	99.8	99.9	100.0					100.0	100.0	100.0	100.0	100.0	100.0	100.0
		l															
GE		99.4	99.8	99.8	99.9				100.0					100.0			
GE	900	99.4	99.8	99.8	99.9	100.0			100.0				100.0		100.0	100.0	100.0
GE		99.4	99.8	99.8	99.9	100.0			100.0				100.0		100.0	100.0	100.0
GE	700 [99.4	99.8	99.8	99.9	100.0			100.0						100.0	100.0	100.0
GE	600	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ĢΕ	5001	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.C	100.0	100.0	100.0	100.C	100.0	100.0	100.0
GE		99.4	99.8	99.8	99.9	100.0			100.0				100.0	100.0	100.0	100.0	100.0
ĢE		99.4	99.8	99.8	99.9				100.0						100.0	100.C	100.0
SE		99.4	90.8	99.8	99.9				100.0				100.0		100.0	100.0	100.0
GE	1	99.4	99.8	99.8	99.9	100.0			100.0				100.0	100.0	100.0	100.0	100.0
-	1001	1		,,,,	,,,,	.00.0	.00.0	.00.0	.00.0			10.5.0	.00.0	140.0	100.0	10010	100.0
GE	000	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.0
									 .			• • • • • • •					

TOTAL NUMBER OF OBSERVATIONS 810

0 - 2 - 52

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION HUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: NAY 60 - APR 90 LST TO UTC: + 7 HONTH: JUN HOURS: 21-23

				ſZ	וט סו ז	C: + /					MONT	H: JUN	HOUR	s: 21-2	3		
CEIL	CEILING VISIBILITY IN STATUTE NILES IN GE GE GE GE GE GE GE GE GE GE GE GE GE																
		GE 7	GE 6	GE 5	GE 4		GE 2 1/2		GE 1 1/2			GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	G E 0
NO C	EIL	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	7.ر	75.7	75 .7	75.7
GE 1	8000	75.7 75.7 75.7	75.7 75.7 75.7	75.7 75.7 75.7	75.7 75.7 75.7	75.7 75.7 75.7	75.7 75.7 75.7	75.7 75.7 75.7	75.7 75.7 75.7	75.7 75.7 75.7	75.7 75.7 75.7	75.7 75.7 75.7	75.7 75.7 75.7	75.7 75.7 75.7	75.7 75.7 75.7	75.7 75.7 75.7	75.7 75.7 75.7
		75.7 78.1	75.7 78.1	75.7 78.1	75.7 78.1	75.7 78.1	75.7 78.1	75.7 78.1	75.7 78.1	75.7 78.1	75.7 78.1	75.7 78.1	75.7 78.1	75.7 78.1	75.7 78.1	75.7 78.1	75.7 78.1
GE	9000	81.4 84.0 86.5	81.4 84.0 86.5	81.4 84.0 86.5	81.4 84.0 86.5	81.4 84.0 86.5	81.4 84.0 86.5	81.4 84.0 86.5	81.4 84.0 86.5	81.4 84.0 86.5	81.4 84.0 86.5	81.4 84.0 86.5	81.4 84.0 86.5	81.4 84.0 86.5	81.4 84.0 86.5	81.4 84.0 86.5	81.4 84.0 86.5
GΕ	7000	88.7 95.9	88.7 95.9	88.7 95.9	88.7 95.9	88.7 95.9	88.7 95.9	88.7 95.9	88.7 95.9	88.7 95.9	88.7 95.9	88.7 95.9	88.7 95.9	88.7 95.9	88.7 95.9	88.7 95.9	88.7 95.9
GE	4500	97.3 98.4 99.5	97.3 98.4 99.5	97.3 98.4 99.5	97.3 98.4 99.5	97.3 98.4 99.5	97.3 98.4 99.5	97.3 98.4 99.5	97.3 98.4 99.5	97.3 98.4 99.5	97.3 98.4 99.5	97.3 98.4 99.5	97.3 98.4 99.5	97.3 98.4 99.5	97.3 98.4 99.5	97.3 98.4 99.5	97.3 98.4 99.5
GΞ	3500	99.5	99.5 100.0	99.5 100.0	99.5 100.0	99.5 100.0	99.5 100.0	99.5 100.0	99.5 100.0	99.5 100.0	99.5 100.0	99.5 100.0	99.5 100.0	99.5 100.0	99.5 100.0	99.5 100.0	99.5 100.0
GΕ	2000	100.0 100.0 100.0	100.0 100.0 100.0	100.0 100.0 100.0	100.0 100.0 100.0	100.0 100.0 100.0	100.0	100.0	100.0 100.0 100.0	100.0	100.0		100.0 100.0 100.0	100.0 100.0 100.0	100.0	100.0 100.0 100.0	100.0 100.0 100.0
		100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0			100.0 100.0				100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0
GE GE GE	900 800	100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0	100.0 100.0 100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0
GE GE	600	100.0 100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE CE	400 300	100.0 100.0 100.0		100.0 100.0 100.0		100.0 100.0 100.0	100.0 100.0	100.0	100.0 100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0 100.0	100.0 100.0 100.0	100.0 100.0 100.0	100.0 100.0	100.0 100.0 100.0
GE GE	100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.0	100.0	100.0	100.0	100.0	100.0	160.0	100.0
••••									•••••	• • • • • • •	• • • • • •	•••••				•••••	

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOLIRLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT LST

PERIOD OF RECORD: MAY 60 - APR 90 LL

Ť	TO	UTC:	٠	7	MONTH:	JUN	HOURS:	ALI

CEILING VISIBILITY IN STATUTE MILES IN GE GE GE GE GE GE GE GE GE GE GE GE GE																
	IN GE GE GE GE GE GE GE GE GE GE GE GE															
FEET	'	0	,	•	J	2 1/2	٤	1 1/2	1 1/4	,	3/4	3/0	1/2	3/0	1/4	U
• • • • • • • •		•••••	• • • • • •	•••••	• • • • • •		• • • • • •	•••••	• • • • • • •		• • • • • •	• • • • • • •		•••••	• • • • • • •	• • • • •
NO CETL	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
NO CETT	1 .0.0	.0.0	70.0	10.0	70.0	70.0	70.0	,0.0	10.0	,0.0	10.0	10.0	, 0.0	70.0	76.0	70.0
GE 20000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 18000		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 16000	(_	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	
GE 14000				80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2		79.6
		80.2	80.2					-	-						80.2	80.2
GE 12000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 10000	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
								_								
GE 9000		86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
	88.0	6.88	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	38.1	88.1	88.1
	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.0	89.9	89.9	9.9	89.9	89.9
GE 6000	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 5000	1 96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
			97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
		97.1				98.1	98.1	97.2		98.1			98.1			
	97.8	97.9	98.0	98.1	98.1		_		98.1		98.1	98.1		98.1	98.1	98.1
	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5 00.3	98.5
GE 3000	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2500	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000		99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800		99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	77.4	77.0	77.1	77. 0	77.0	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 1000	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
_	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9			100.0	100.0	100.0	100.0	100.0
	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9		100.0		100.0		100.0	100.0
	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0
	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0			100.0		106.0	100.0	100.0	100.0
GE 500	1 77.5	77.1	77.0	77.7	**.*	77.7	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	99.5	99.7	99.8	99.9	99.9	99.9		100.0						100.0	100.0	100.0
	99.5	99.7	99.8	99.9	99.9	99.9	100.0		100.0					100.0	100.0	100.0
	99.5	99.7	99.8	99.9	99.9	99.9		100.0						100.0	100.0	100.0
	99.5	99.7	99.8	99.9	99.9	99.9		100.0						100.0	100.0	100.0
JL 100	ì			,		,										.00.0
GE 000	99.5	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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TOTAL NUMBER OF OBSERVATIONS 8421

0 - 2 - 54

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: DUGWAY PROVING GROUNDS UT STATION NUMBER: 690110 PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: JUL HOURS: 00-02 CEILING VISIBILITY IN STATUTE MILES IN GE GE 32 GE GE GΕ GE GE GE GE GE GE 5 3 FEET 7 6 4 2 1/2 2 1 1/2 1 1/4 3/4 5/8 1/2 1 3/8 1/4 0 86.5 NG CEIL ! 85.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 36.5 86.5 86.5 GE 20000 86.5 86.5 85.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 GE 180001 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 85.5 86.5 86.5 86.5 GE 15000 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 87.1 87.1 87.1 87.1 GE 14000| 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 GE 120001 91.1 91.1 91.1 91.1 91.1 92.9 92.9 92.9 92.9 GE 16 15, 92.9 92.9 92.9 92.9 92.9 92.7 92.9 92.9 92.9 92.9 92.9 92.9 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 GE 9000 93.7 93.7 93.7 93.7 93.7 93.7 GE 8000 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 91.4 97.4 97.4 97.4 97.4 GE 7000 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 GE 6600! 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99 4 97.4 99.4 99.4 99.4 99.4 29.4 99.4 5000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 4500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.G 100.0 100.0 100.0 100.0 SE 4600 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 166.0 100.0 100.0 100.0 100.0 100.0 100.0 160.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 3500 100.0 100.0 100.0 100.0 100.0 100.0 3000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2500[100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 2000 100.0 100.0 100.5 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1800|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1600 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 900:100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 800 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 7001160.0 100.0 100.0 100.0 600|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE GE 500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 4001100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GĒ 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 2001100.0 100.6 100 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 00C | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 HONTH: JUL HOURS: 03-05

				LS	וט סד דו	C: + 7					MON	TH: JUL	. HOU!	85: 03-	05		
CE	VISIBILITY IN STATUTE MILES IN GE GE																
												GE	GE	GE	GE	GE	GE
F	EET	7	6	5	4	3	2 1/2	2	1 1/2	2 1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
•]										•••••	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	•••••
NO	CEIL	85.5	85.5	85.5	85.5	85,5	85.5	85.5	85.5	85 .5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
	20000		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
	18000		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.?	86.7
	16000		86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	8ó.8	86.8
	14000		87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
Ğξ	12000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
	10000		94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE	9000		95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE	8000		96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	95.6
GE GE			98.0 99.4	98.0 99.4	98.0 99.4	98.0 99.4	98.0 99.4	98.0 99.4	98.0 99.4	98.0 99.4	98.0	98.0 99.4	98.0 99.4	98.0 99.4	98.0	98.0 99.4	98.0
uc	0000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	99.4	77.4	77.4	99.4	99.4	99.4	99.4
GE		99.8	99.8	99.8	99.8	99,8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
G€	4500		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE		100.0	100.0	100.0				100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE			100.0							100.0			100.0	100.0	100.0	100.0	100.0
GE	3000	100.0	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE										100.0						100.0	100.0
GE										100.0				100.0			100.0
GΕ										100.0					100.0		100.0
GE			100.0							100.0				100.0			100.0
Œ	1200	1100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE										100.0						100.0	100.0
GE										100.0							100.0
GE										100.0			100.0	100.0	100.0		100.0
GE										100.0				100.0			100.0
GE	600	[100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE										100.0						100.0	
Œ										100.0			100.0		100.0	100.0	
GE										100.0				-	100.0		100,0
GE										100.0					100.0		100.0
ůE	100	100.0 	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.9
GE	900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUL HOURS: 06-08

			1 10 01	•• • •					PROPE	M: JUL	поск	s: uo-u	U		
	• • • • • • •	•••••		•••••	VISIBI	LITY	N STATUT	E MILES	 S		•••••	•••••	•••••	••••	• • • • • •
GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	G
79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.
0 82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	32.1	82.1	82.1	82.
	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4		82.4	82.4	82.4	82.4	82.4	82.4
															82.
	87.0	83.7 87.0	87.0	83.7 87.0	85.7 87.0	87.0	83.7 87.0	83.7 87.0	87.0	83.7 87.0	85.7 87.0	83.7 87.0	83.7 87.0	83.7 87.0	83.1 87.1
0 91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	Ç1.
	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.
	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.
	97.0			_		97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.
0 99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.
	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.
															99.
•															100. 100.
•	100.0	100.0	100.0			100.0						100.0	100.0	100.0	100.
ນ 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	190.0	100.0	100.0	100.0	100.0	100.0	100.
0,100.0			100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
			100.0								100.0	100.0	100.0	100.0	100.
															100.
0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
- 1			100.0								100.0	100.0	100.0	100.0	100.
															100.
ט.טטרןט ו	100.0	100.0	100.0	100.0	100.0	יייייי	:50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
•			100.0									100.0	100.0	100.0	100.
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กม้าถกก	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
	77.7 0 82.1 0 82.4 0 82.4 0 83.7 0 87.0 0 91.7 0 92.7 0 97.9 0 97.9 0 97.9 0 100.0 0 100.0 0 100.0 0 100.0 0 100.0 0 100.0 0 100.0 0 100.0 0 100.0 0 100.0	GE GE 7	GE GE GE GE 7 6 5 79.7 79.7 79.7 79.7 82.1 82.1 82.1 82.4 82.4 82.4 82.4 83.7 83.7 83.7 87.0 87.0 87.0 91.7 91.7 91.7 92.7 92.7 92.7 95.4 95.4 95.4 95.4 95.4 95.4 97.0 97.0 97.0 97.0 99.2 99.2 99.2 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9	GE GE GE GE GE 7 6 5 4	GE GE GE GE GE GE GE GE 7 6 5 4 3 3 5 5 6 5 4 3 5 5 6 5 6 5 6 5 6 6 5 6 6 6 6 6 6 6 6	VISIBI GE	GE	GE	GE	GE GE GE GE GE GE GE GE	GE GE GE GE GE GE GE GE	GE GE GE GE GE GE GE GE	GE GE GE GE GE GE GE GE	GE	GE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: NAY 60 - APR 90 LST TO UTC: + 7 HONTH: JUL HOURS: 09-11

•	LST TO UTC: + 7 MONTH: JUL HOURS: 09-11 CEILING VISIBILITY IN STATUTE MILES IN GE GE GE GE GE GE GE GE GE GE GE GE GE																
	CEILING VISIBILITY IN STATUTE MILES IN GE GE GE GE GE GE GE GE GE GE GE GE GE																
		GE	GE	GE	GE	GE						GE	GE	GE	GE	GE	GE
			6	5	4	3	2 1/2	2	1 1/2	1 1/4	. 1	3/4	5/8	1/2			
• • •		•••••				• • • • • • •		•••••			• • • • • •	•••••					
MO	CEIL	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE	20000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE	18000	86.0	54.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
Œ	16000	86.1	86.1	86.1	86.1	86.1	86.1	36.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE	14000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE	12000	90.6	90.6	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.5	90.6	90.6	90.6	90.6
GE	10000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE	9000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE	8000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE	7000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
ĢΕ	6000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE	5000	99.6	99.6	99.6	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	4500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	4000	99.9	99,9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99,9	99.9
GE	3500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	3000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	2500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	2000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.º	100.0	100.0	100.0	100.0
GE	1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		100.0	100.0	100.0	100.0	• -	100.0	100.0
Œ	1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			100.0	100.0			100.0	100.0
GE	1200	99.9	99.9	99.9	99.9	99.9	99.9	99,9	99.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99,9		100.0		100.5	100.0		100.0	100.0
G€	900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99,9		100.0	100.0	160.0	100.0		100.0	100.0
GE	800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		100.0	100.0	100.0	100.0	100.0	100.0	100.0
ĞĒ	700	99.9	99.9	90.9	99.9	99.9	99.9	99.9	99.9	99.9		100.0	100.0	100.0		100.0	100.0
GE	600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9			100.0				100.0	
GE	400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		100.0		100.0	100.0		100.C	100.0
GE	300		99.9	99.9	99.9	99.9	99.9	99.9	99.9		100.0		100.0	100.0		100.C	100.0
Œ	200		99.9	99.9	99.9	99.9	99.9	99.9	99.9			100.3		100.0	100.0		100.0
GE	100	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	49.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100 .0	100.0	100.0	100.0	100.0	160.0
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TOTAL NUMBER OF OBSERVATIONS 1485

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: JUL HOURS: 12-14 STATION NUMBER: 690110

TO UTC:	+	7	MONTH:	J	UL	Н

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• • • • • •	• • • • • •		· • · · · • •	•••••	VISIBI	LITY I	STATUT	E MILES	 S		•••••		• • • • • • •		
GE	GE	GE	G E	GE	GE 2 1/2	GE	GE	GE 1 1/4	GE 1	GE 3.4	GE S/a	GE 1/2	GE 3 /B	GE 176	G
	· · · · · ·		· · · · · · · ·	•••••				•••••	• • • • • • •		•••••				 .
82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.
86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.
															86.
-													-		86.
														7 .	87.
90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90,4	90.
92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.
															93.
														_	94.
															96.
98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.
99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.
															99.
															99.
															99.
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.
	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.
															99.
													• -		99.
															99.
99.9	99.9	99.9	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.
99.9	99.9														99.
															99.
															99.
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.
99.7	99.9	100.0													100.
	99.9	100.0	100.0												100.
99.9	99.9	100.0													100.
99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	160.0	100.0	100.0	100.0	100.
99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
	7 	7 6	GE GE GE 7 6 5 82.6 82.6 82.6 86.2 86.2 86.2 86.2 86.3 86.3 86.3 86.3 86.4 86.4 86.4 86.4 86.4 90.4 90.4 90.4 90.4 90.4 90.5 90.5 90.5 90.5 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2	GE GE GE GE GE 7 6 5 4 82.6 82.6 82.6 82.6 82.6 86.2 86.2 86.2 86.2 86.2 86.3 86.3 86.3 86.3 86.4 86.4 86.4 86.4 87.7 87.7 87.7 87.7 90.4 90.4 90.4 90.4 90.4 90.5 90.5 90.5 90.5 94.5 94.5 94.5 94.5 94.5 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.9 99.5 99.5 99.5 99.5 99.5 99.5 99.5	GE GE GE GE GE GE 7 6 5 4 3 82.6 82.6 82.6 82.6 82.6 82.6 86.2 86.2 86.2 86.2 86.2 86.2 86.3 86.3 86.3 86.3 86.4 86.4 86.4 86.4 87.7 87.7 87.7 87.7 87.7 87.7 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.5 90.5 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2	GE GE GE GE GE GE GE GE GE 7 6 5 4 3 2 1/2 82.6 82.6 82.6 82.6 82.6 82.6 82.6 86.2 86.2 86.2 86.2 86.2 86.2 86.2 86.3 86.3 86.3 86.3 86.4 86.4 86.4 86.4 86.4 87.7 87.7 87.7 87.7 87.7 87.7 87.7 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4	GE GE GE GE GE GE GE GE GE GE GE GE GE G	GE GE GE GE GE GE GE GE GE GE GE GE GE G	GE GE GE GE GE GE GE GE GE GE GE GE GE G	GE GE GE GE GE GE GE GE GE GE GE GE GE G	GE GE GE GE GE GE GE GE GE GE GE GE GE G	GE GE GE GE GE GE GE GE GE GE GE GE GE G	GE GE GE GE GE GE GE GE GE GE GE GE GE G	GE GE<	GE GE GE GE GE GE GE GE GE GE GE GE GE G

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY COSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGLAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUL HOLDES: 15-17

LST TO UTC: + 7										TH: JUL	HOU	ks: 15-		X 9 U			
ce i	LIMG	• • • • • • •		•••••	• • • • • • •	• • • • • • •	vielai		N STATU			• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •
	N I	GE	GE	GE	GE	Œ	GE A12181					cr					
	ET	7	6	5	4	3	2 1/2	GE 2	GE	GE	GE	GE	GE	20	GE	GE	GE
re	E 1	, , 		,,,,,,	• • • • • • • •		2 1/6		1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
•		J											• • • • • • • • • • • • • • • • • • • •				•••••
MO	CEIL	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE	20000	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE	18000	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
Œ	16000	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE	14000	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GΕ	12000	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	8 4.8	84.8	84.8	84.8	84.8	84.8	84 . 8
GE	10000	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
Œ	9000	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GΕ	8000	88.7	88.7	88.7	68.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	8.88	88.8	88.8	88.8
GΞ	7000	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
Œ	6000	96.6	96.6	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	8.89	96.8	96.8	96.8
SE	5000	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	4500	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	4000	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	3.69	99.8	99.8	69.8	99.8
G₽	3500	99.7	99.7	29.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99,9	99.9	99.9	99.9	99.9
Œ	3000	99.8	99.8	99,9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	2500	99.8	99.8	99.0	99.9	99.9			100.0				100.0		100.0	100.0	100.0
Œ	2000	99.8	99.8	99.9	99.9	99.9		100.0		100.0			100.0		100.0	100.0	100.0
GE	1800	99.8	79 .8	99.9	99.9	99.9		100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0
ĢĔ	1500	99.8	99.8	99.9	99.9	99.9		100.0	100.0				ני. 100		100.0		100.0
GE	1200	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
G€	1000	99.8	99.8	99,9	99.9	99.9		100.0		100.0			100.0		100.0	100.0	100.0
GE	900	99.8	99.8	99.9	99,9	99.9		:00.0		100.0			100.0			100.0	100.0
GE	800	69.8	99.8	99.9	99.9	99.9		100.0		100.0			100.0	100.0	100.0	100.0	100.0
Œ	700		99.B	99.9	99.9	99.9		100.0		100.0			100.0	100.0	100.0	100.0	100.0
Œ	600	99.3	99.8	99.9	90.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Œ	500		99.8	99.9	99.9	99.9			100.0							100.0	
GE	400	99.8	99.8	99.9	99.9	99.9		100.0		100.0			100.0		100.0	100.0	100.0
GE		99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0				100.0	100.0	100.0	100.0	100.0
ĞΕ	200		99.8	99.9	99.9	99.9		100.0		100.0			100.0	100.0	100.0	100.0	100.0
GE	100	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: JUL HOURS: 18-20

				£S.	T TO UT	C: + 7					MONT	H: JUL	HOUR	s: 18·2	0		
CEI	LIKG			• • • • • •	• • • • • •	• • • • • •	VISIBI	LITY II	N STATUI	E MILES	 S	•••••	••••		• • • • • •	• • • • • • •	• • • • • •
	N	GE	Œ	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE.	GE	GE
FE	ΕŸ	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
•••	- • • • •			• • • • • • •	••••	•••••		• • • • • •	• • • • • • •	• • • • • • •			• • • • • • •	• • • • • • •			•••••
NO	CEIL	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE	20000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
	18000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.0	72.9	72.9	72.9	72.9	72.9	72.9
	16000		73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
	14000		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.6	74.8	74.8	74.8	74.8
GE	12000	78.5	78.5	78.5	78.5	78.5	78.5	<i>7</i> 8.5	78.5	78.5	78.5	78.5	76.5	78.5	78.5	78.5	78.5
	10000		81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE	9000		82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE	8000		83.6	83.6	83.6	83.6	83.6	83.6	83.6 89.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE	7000	87.4	89.4 96.2	89.4 96.2	89.4 96.2	89.4 96.2	89.4 96.2	89,4 96,2	96.2	89.4 96.2	89.4 96.2	89.4 96.2	89.4 96.2	89.4 96.2	89.4 96.2	89.4 96.2	89.4 96.2
UE	8000	70.2	70,2	70.2	70.2	70.2	70.2	70.2	70.2	70,2	70,2	70.2	70.2	70.2	70.2	70.2	70.2
űE		99.8	99.8	99.8	99.8	8.99	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.A	99,8
G€		100.0	100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0		100.0				100.0					100.0	100.0	100.0	100.0
GE	5000	1100.0	100.0	109.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	2500	100.0	100.0	100.0	100.0	100.0			100.0			100.0	100.0	100.0	100.0	100.0	100.0
GE	5000	100.0	100.0		100.0	100.0			100.0				100.0	100.0	100.0	100.0	100.0
ĢΕ		190.0	100.0			100.0			100.0				100.0	100.0	100.0	100.0	100.0
GE		100.0							100.0					100.0	100.0	100.0	100.0
GE	1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	190.0	100.0	100.0	100.0	100.0
GE	900	100.0	100.0	100.0	100,0					100.0		100.0	100.0	100.0	100.0	100.0	100.0
GE	800	100.0	100.0	100.0	100.0					100.0			100.0	100.6		100.0	100.0
GE		100.0	100.0	100.0	100.0				100.0					100.0	100.0	100.0	100.0
GE	600	100.0	100.0	169.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	100.0	100.0	100.0	100.0	100.0			100.0		100.0		100.0	100.0	100.0	100.0	100.0
GE	400	100.0	100.0	100.0		100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0				100.0			100.0	100.0	100.0		100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0			100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0
GE	100	1100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION MUMBER: 690110 STATION MAME: DUGNAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: JUL HOURS: 21-23 CEILING VISIBILITY IN STATUTE MILES Œ Œ IN GE GE GE GΕ GE GE GE 5 4 3 2 1/2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 0 1/4 GE 20000 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 GE 18000 81.7 GE 16000 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 GE 14000 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 GE 12000 86.8 86.8 8.86 86.8 86.8 86.8 86.8 86.8 88.9 88.9 88.9 88.9 88.9 88.9 AR O 88.0 88.9 88.0 88.9 58.9 88.0 88.9 RA.O AK C GE 10000 89.4 89.4 89.4 89.4 GE 9000 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 GΕ 8000 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 93.7 93.7 GE 7000 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 GE 6000 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 99.5 99.5 99.5 99.5 99.5 00 5 GE 5000 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 ĠĒ 4500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 4000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 3500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 Œ 3000 GE 2500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 Œ 2000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 Œ 1500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1000 (100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 900 100.0 10 Œ GE 700 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 600 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 400 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.6 100.0 GE 300 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 200 100.0 10 GE 100.0 100.0 100.0 100.0 100.0 100.0 100[100.0 100.0 100.0 100.0 GE

TOTAL NUMBER OF OBSERVATIONS 651

GE 000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 6G - APR 90 MONTH: JUL HOURS: ALL

		LSI TO DITE: + / ROWIN: JUL HOURS: ALL															
	LING								N STATU								
	N ET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1/2	GE 3/8	GE 1/4	GE O
NO	CEIL	81.3	61.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
cc	20000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
	18000		83.2	83.2	83.2	83.2	£3.2	83.2	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
	16000		83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
	14000	84.4	84.4 87.8	84.4 87.8	84.4 87.8	84.4 87.8	84.4 87.8	84.4 87.9	84.4 87.9	84.4 87.9	84.4 87.9	84.4 87.9	84.4 87.9	84.4	84.4	84.4	84.4
ŲE	12000	07.0	87.0	67.6	01.0	67.6	67.6	97.9	67.9	01.4	01.9	01.4	07.9	87.9	87.9	87.9	87.9
_	10000	_	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	8.09	90.8	90.8	90.8	90.8	90.8	90.8
GE		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE GE		93.0	93.0 95.4	93.0 95.4	93.0 95.4	93.0 95.4	93.0 95.4	93.0 95.4	93.0 95.4	93.0 95.4	93.0 95.4	93.0 95.4	93.0 95.4	93.0 95.4	93.0 95.4	93.0 95.4	93.0 95.4
ĢE		98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
G€	50001	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
ĢĒ	4500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	4000	99,9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE GE	3500 3000	99.9	99.9 99.9	99.9 100.0	99.9	99.9	99.9	99.9	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0
UE	3000	, 77.7 	77.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	110.0	100.0
Œ		99.9	99.0	100.0	100.0				100.0			100.0		100.0	100.0	100.0	100.0
GE		100.0	100.0		100.0				100.0			100.0		100.0	100.0		100.0
GE GE		100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0		100.0	100.0	100.0 100.0	100.0		100.0
ÇE		100.0	100.0				100.0			100.0				100.0	100.0	100.0	100.0
		<u> </u>															
GE GE		100.0	100.0			100.0			100.0			100.0		100.0		100.0	100.0 100.0
G€	1	100.0	100.0		100.0		100.0		100.0					100.0	100.0	100.0	100.0
GE		100.0	100.0			100.0			100.0				100.0	100.0	100.0	100.0	100.0
GE	600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0						100.0				100.0		100.0		100.0
GE		100.0	100.0		100.0				100.0			100.0	100.0	100.0	100.0	100.0	100.0
GE GE		100.0	100.0	100.0	100.0		100.0 100.0	100.0	100.0				100.0 100.0	100.0	100.0	100.0	100.0 100.0
GE	100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.00.0	.00.0	.00.0	100.0	100.0	100.0	100.0	.00.0	100.0
GE	000	100.0	100.0	100.0	100.0	100.0	190.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
				• • • • • •				• • • • • •	· · · · · · · ·	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: AUG HOURS: 00-02

MO CEIL 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5																		
FEET 7 6 5 4 3 21/2 2 11/2 11/4 1 3/4 5/8 1/2 3/8 1/4 0 MO CEIL 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5		CEILING VISIBILITY IN STATUTE MILES																
NO CEIL 84.5			GE	GE	GΕ	GE	G€						GE	GE	GE	GE	GE	GE
GE 20000 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5	FE	ET	7	6	5	4	3	2 1/2	2	1 1/2								ō
GE 20000 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5	•••	• • • • •	• • • • • •	• • • • • •	• • • • • •			•••••	• • • • • •		• • • • • • •	•••••		• • • • • • •		• • • • • • •	• • • • • • •	• • : • • •
GE 18000 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5	MO	CEIL	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 16000 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5	GE	20000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
6E 14000 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1	GE	18000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 10000 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2	GE	16000		84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 10000 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2				85.1	85.1	85.1	85.1	85.1			85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 8000 99.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4	Œ	12000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 8000 99.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4	GE	10000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 7000 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4	GE	9000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 5000 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2	GE	8000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 5000 99.1 99.1 99.1 99.1 99.1 99.1 99.1 9	GE	7000	95.4	95.4	95.4	95.4	95.4	95.4	93.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 4500 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99	GE	6000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 4500 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99	GE	5000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3500 100.	GE	4500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7					99.7			99.7
GE 3000 100.	GE	4000	100.0	100.0	100.0	100.0	100.0								100.0	100.0	100.0	100.0
GE 2500 100.	GΕ	3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000 100.	GE	3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800 100.	GΞ	2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500 100.	GE	2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000 100.	GE	1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.6	100.0	100.0	100.0	10ú.0	100.0	100.0
GE 1000 100.	GE	1500													100.0	100.0	100.0	100.0
GE 900 100.0	ůΕ	1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800 100.0	GΕ	1000	1100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700 100.0	GE	900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600 100.0	GE	800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500 100.0	GE	700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400 100.0	GE	600	100.0	100.0	100.0	100.0	100.0	100.0	100.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400 100.0	GE	5001	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0	GE	400	100.0															100.0
	GE	300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0	G€														100.0	100.0	100.0	100.0
	GE	100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0	GE	000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: AUG HOURS: 03-05

				rs	1001	C: + /					MONT	R: AUG	HOUR	S: 03·0	>		
	LING			•••••		• • • • • •			N STATU			•••••	• • • • • • •	• • • • • •			
	N ET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	5 GE	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO	CEIL	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
-	20000	•	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
	18000		87.2	87.2 87.4	87.2 87.4	87.2 87.4	87.2 87.4	87.2 87.4	87.2 87.4	87.2	87.2 87.4	87.2	87.2 87.4	87.2	87.2	87.2	87.2
	16000		87.4 88.2	88.2	88.2	86.2	88.2	88.2	88.2	87.4 88.2	88.2	87.4 88.2	88.2	87.4 88.2	87.4 88.2	87.4 88.2	87.4 88.2
	12000		93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE	10000		95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE	9000		96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE GE	8000 7000		96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2	96.9 97.2
GE	6000		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99,4
GE		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE		100.0 1100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0
GE		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	2500	 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0 100.0	100.0			100.0 100.0			100.0	100.0	100.0	100.0	100.0 100.8	100.0 100.0
GE	1200	100.0 	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.5	130.0	100.0	100.0	100.0	100.0	100.0
GE		100.0		100.0	100.0				100.0			100.0	100.0	100.0		100.0	100.0
GE		100.0	100.0	100.0	100.0				100.0			100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0
GE GE		100.0	100.0		100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0
		1											•				
ĢE		1100.0	100.0	100.0	100.0	100.0	100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
ĜE		100.0	100.0		100.0	100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE GE		100.0	100.0	160.0	100.0	100.0	100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0		100.0		100.0	100.0			100.0				100.0	100.0	100.0	100.0
		1															
GE	000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.9	100.0	100.0	100.0	100.0	100.0	100.0
	• • • • •	• • • • •	.	• • • • • •	• • • • • •	• • • • • •	• • • • • •	· · · · · · ·	• • • • • •	• • • • • • •		• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION HUMBER: 690110 STATION HAME: DUGNAY PROVING GROUNDS UT PE

PERIOD OF RECORD: MAY 60 - APR 90

			690110	LS		C: + 7			OKOUNUS		MON	TH: AUG		s: 06-0	8		
	LING	•••••	• • • • • • •	•••••					N STATU				• • • • • • •	• • • • • •	••••	• • • • • •	• • • • •
	N I	GE	GE	GE	GE	GΕ	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FE	ET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
			• • • • • •	• • • • •	• • • • • •		•••••	• • • • • •		• • • • • • •		• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •
MO	CEIL	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
Œ	20000	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE	18000	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
	16000	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
	14000		85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
	12000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
	10000	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
	9000	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE	8000	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
Œ	7000	97.7	97,7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GΕ	6000	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	5000	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	59.9	99.9	99.9	99.9
GE	4500	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	4000		99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	3500		99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
ĢĒ		99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
			 .	~~ 7	~ ~	~~ ^	~ ^	~ ^	~ ^	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	2500		99.7	99.7	99.9	99.9	99.9	99.9				99.9	99.9	99.9	99.9	99.9	99.9
GE	2000		99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9		99.9	99.9	99.9	99.9	99.9
GE	1800		99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9					
GΕ		99.7	99.7	99.7					100.0			100.0	100.0	100.0	100.0	100.0	100.0
GE	1200	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1000	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
GE	900	99.7	99.7	99.7	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0	190.0	100.0	100.G	100.0	100.0
GE	800	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	160.0	100.0
GE	700	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600		99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	SAAI	99.7	99.7	00 7	100 0	100.0	100 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
					100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0
GE		99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0		100.0
GE		99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0	100.0
GE	100	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGLAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: AUG HOURS: 09-11 CETLING VISIBILITY IN STATUTE MILES GE 2 GE GE GE GE IN GΕ GF GΕ GF GE Œ GE GE GE GE 1 1/2 1 1/4 FEET | 7 3 2 1/2 1 3/4 5/8 5 4 1/2 3/8 1/4 0 NO CEIL | 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 84.6 GE 20000 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 GE 18000 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 GE 16000 86.2 86.2 86.2 86.2 86.2 86.2 86.2 86.2 86.2 86.2 86.2 86.2 86.2 86.2 86.2 86.2 GE 14000 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 GE 12000 92.4 92.4 92.4 92.4 92.4 92.4 92.4 GE 10000 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.9 97.0 95.9 97.0 95.9 97.0 95.9 97.0 9000 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 97.0 95.9 95.9 95.9 97.0 GE 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 8000 97.0 GE 7000 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 GE OR O 98.0 98.0 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 GΕ 6000 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.7 GE 50001 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99 7 99.7 99.7 99.7 99.7 99 7 99.8 99.8 99.8 45001 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.9 99.9 99.9 99.9 GE 4000 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 3500 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 3000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.C 100.0 2500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 SE 100.0 100.0 100.0 100.0 2000 100.0 190.0 100.0 GΕ 1800 100.0 100.0 100_0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 1200 100.0 1000 100.0 100.0 GE 100.0 100.0 900|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 7001100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 600 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 400 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 100.0 100.0 300 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 200 100.0 100 1100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION HAMBER: 690110 STATION HAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST to utc: + 7 MONTH: AUG HOURS: 12-14 CEILING VISIBILITY IN STATUTE MILES SE GF GE Œ GE GF GE GF GF GE 1 14 GF CF 1 1/2 1 1/4 FEET 5 4 3 2 1/2 2 1 3/4 5/8 1/2 3/8 1/4 ٥ NO CEIL 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 **GE 20000** 87.4 87.4 87.4 87.4 87.4 GE 18000 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 GE 16000 88.1 88.1 88.1 88.1 89.9 GE 14000 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 GE 12000 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 GE 10000 94.2 04 2 94.2 94.2 94.2 94.2 94.2 94.6 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 9000 94.7 94.7 GE 95.9 95.9 95.9 95.9 25.9 95.9 95.9 97.9 95.9 95.9 95.9 95.8 95.9 95.9 95.9 95.9 GE 8000 7000 96.9 97.0 97.0 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 98.4 98.5 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 6000 98.5 98.6 99.3 99.3 99.2 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 GE 5000 99.6 99.6 99.6 99.4 99.4 99.6 99.6 99.6 99.6 99.6 99.6 GE 4500 99.4 99.6 99.6 99.6 99.6 4000 99.6 99.6 99.6 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 3500 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 3000 99.8 100.0 Œ 2500 99.8 99.9 99.9 100.0 2000 99.8 99.9 99.9 100.0 100.0 100.0 GE 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.9 1800 99.9 G€ 100.0 100.0 100.0 100.0 100.0 99.8 100.0 100.0 100.0 99.0 99.9 100.0 100.0 100.0 GE 1500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1200 100.0 100.0 100.0 100.0 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 Œ 1000 99.9 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100 0 100 0 100 0 100.0 900 100.0 100.0 100.0 GE 800 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 700 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE Œ 600 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 00 Q 100.0 100.0 100.0 100.0 700.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 5001 00.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 400 99.8 99.9 99.9 100.0 100.C 100.0 100.0 100.0 100.0 GE 300 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 200 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100 GE

TOTAL NUMBER OF OBSERVATIONS 1426

000| 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: AUG HOURS: 15-17 CEILING VISIBILITY IN STATUTE MILES GE GF GF GE Œ 1 M Œ Œ C.E Œ 1 1/2 1 1/4 3/8 1/4 FEET 7 6 5 4 3 2 1/2 2 1 3/4 5/8 1/2 NO CEIL 76.4 76.4 76.4 76.4 76.4 76.4 76.4 76.4 76.4 76.4 76.4 76.4 76.4 76.4 78.7 78.7 78.7 78.7 78.7 78.7 78.7 GE 20000 78.7 78.7 78.7 78.7 78.7 78.7 78.7 78.7 78.7 79.0 79.1 GE 18000 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.1 79.1 79.1 79.1 79.1 79.1 79.1 79.1 79.1 79.1 79.1 GE 16000 79.1 79.1 79.1 79.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 **GE 14000** 80.1 80.1 80.1 80.1 80.1 80.1 80.1 82.6 82.6 10.6 82.6 82.6 **8**2.6 82.6 82.6 GE 12000 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 GE 10000 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.9 88.2 85.9 86.2 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 9000 85.9 85.9 85.9 85.9 85.9 85.9 GE 88.2 88.2 88.2 88.2 88.2 88.2 88.2 GE 8000 88.2 88.2 88.2 88.2 88.2 88.2 88.2 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 GE 7000 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 GE 6000 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97_1 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 96.3 SOOO 98.3 98.3 GE 98.8 99.3 98.8 96.8 96.8 96.8 96.8 98.8 4500 98.7 98.7 98.7 98.7 98.8 98.8 98.8 98.8 98.8 GE 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 GE 4000 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 3500 99.3 99.3 99.3 GE 2.99 99.3 3000 GE 99.3 99.3 99.3 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.6 99.6 99.6 99.7 99.7 GE 99.6 2500 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.7 99.7 99.8 99.8 99.8 99.8 99.8 2000 99.7 99.7 GE 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 1800 99.7 99.7 99.7 99.7 GE 99.8 99.8 99.8 99.7 99.7 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.7 GE 1500 99.7 99.8 99.8 99.8 99.8 99.8 99.8 99.7 99.7 8.00 1200 99.7 99.8 99.8 100.0 100.0 100.0 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.8 1000 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.9 99.9 900 99.8 99.8 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 800 99.8 99.8 99.9 99.9 100.0 100.0 100.0 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 700 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.9 600 99.8 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.9 99.9 100.0 100.0 100.0 100.0 500 99.8 GE 100.0 100.0 100,0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.9 100.0 99.9 GE 400 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 99.8 99.8 99.9 99.9 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.9 99.9 100.0 200 99.8 GE 100.0 100.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.9 100.0 99.8 99.8 GE 100

TOTAL NUMBER OF OBSERVATIONS 1074

99.8

99.8

99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION HUMBER: 690110 STATION NAME: DUGNAY PROVING GROUNDS UT PERIOD OF RECORD: NAY 60 - APR 90 LST TO UTC: + 7 MONTH: AUG HOURS: 18-20 CEILING VISIBILITY IN STATUTE MILES 114 GΕ GE GE GE GE GE GE GE G€ GF GF GE 7 5 FEET 6 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 0 71.1 71.1 71.2 71.2 71.2 71.2 71.4 71.4 71.4 71.4 71.4 71.4 71.4 71.4 71.4 71.4 GE 20000 71.1 71.1 71.2 71.2 71.2 71.2 71.4 71.4 71.4 71.4 71.4 71.4 71.4 71.4 71.4 71.4 GE 18000 71.2 71.1 71.2 71.2 71.2 71.4 71.4 71.1 71.2 71,4 71.4 71.4 71.4 71.4 71.4 71.4 71.4 71.4 71.1 71.2 71.4 71.4 GE 16000 71.1 71.2 71.2 71.4 71.4 71.4 71.4 71.4 71.4 71.4 GE 14000 72.2 72.2 72.3 72.3 72.3 72.3 72.5 72.5 72.5 72.5 72.5 72.5 72.5 72.5 72.5 72.5 GE 12000 75.9 75.9 76.0 76.0 76.0 76.2 76.0 76.2 76.2 76.2 76.2 76.2 76.2 76.2 76.2 76.2 79.9 79.9 79.9 GE 10000 79.6 79.6 79.8 79.8 79.8 79.8 79.9 79.9 79.9 79.9 79,9 70.9 70.0 80.6 80.7 9000 80.7 GE 80.5 80.5 80.6 80.6 80.6 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 00C8 3D 84.1 84.1 84.2 84.2 84.2 84.2 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 7000 89.0 89.0 89.1 89.1 89.1 89.3 89.4 89.4 89.4 89.4 GE 89.4 89.4 89.4 89.4 89.4 89.4 97.0 97.0 GE 6000 96.7 96.7 96.8 96.8 96.8 96.9 97.0 97.0 97.0 97.0 97.0 97.0 27.0 97.0 99.1 99.1 99.1 99.1 GE 5000 98.5 98.5 98.9 98.9 98.9 99.0 99.1 99.1 99.1 99.1 99.1 99.1 99.1 4500 98.9 98.9 98.9 99.0 99.1 99.1 99.1 99.1 GE 98.5 98.5 99.1 99.1 99.1 99.1 99.1 99.5 99.5 99.5 99.5 4000 98.9 98.9 99.3 99.3 99.3 99.4 99.5 99.5 99.5 99.5 99.5 ĠΕ 99.5 99.3 99.5 3500 98.9 98.9 99.3 99.3 99.4 99.5 99.5 99.5 99.5 99.5 GE 99.5 99.5 99.5 99.5 99.5 99.5 GΕ 3000 98.9 98.9 99.3 99.3 99.3 99.4 99.5 99.5 99.5 99.5 99.5 GE 2500 99.3 99.3 99.6 99.6 99.6 99.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 90.9 99.6 99.8 99.9 2000 99.3 99.3 99.6 99.6 99.9 99.9 99.9 99.9 99.9 GE 99.9 99.9 99.9 99.9 99.6 99.9 1800 99.3 99.3 99.6 99.6 99.8 99.9 99.9 99.9 99.9 99.9 99,¢ 99.9 99.9 GE 99.9 99.6 1500 99.3 99.3 99.6 99.6 99.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99,9 GΕ 99.9 Œ 99.3 99.6 99.6 99.6 99.8 99.9 99.9 99.9 99.9 99.4 99.4 99.8 99.8 GE 1000 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.4 99.8 99.8 99.9 100.0 100.0 GE 900 99.4 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 800 99.4 99.4 99.8 99.8 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.4 99.8 99.8 99.8 100.0 GΕ 700 99.4 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.8 600 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 99.8 99.8 GE 500 99.4 99.4 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 400 99.4 99.4 99.8 99.8 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 99.4 99.4 99.8 99.8 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 200 99.4 99.4 99.8 99.8 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 ĞE 100.0 100.0 99.4 99.8 99.8 99.8 59.9 100.0 100.0 100.0 100.0 100.0 100.0 1C0 99.4 100.0 100.0 GE 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 810

GE

000 99.4

D - 2 - 70

99.4 99.8 99.8 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION HUMBER: 690110 STATION NAME: DUGAY PROVING GROUNDS UT PERIOD OF RECRD: MAY 60 - APR 90 LST OUTC: + 7 MONTH: AUG HOURS: 21-23 CEILING VISTRILITY IN STATUTE MILES GF GE GE GE GF GF Œ 1 14 GE GE GE GE GE 1 1/2 1 1/4 FEET 5 4 3 2 1/2 2 - 1 3/4 5/8 1/2 3/8 0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79 n 70 n 70 N 79 N NO CEIL GE 20000 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 GE 18000 79.0 GE 16000 79.0 79.0 79.0 79.0 79.G 79.0 GE 14000 79.6 79.6 79.6 79.6 79.6 79.6 79.6 79.6 79.6 79.6 79.6 79.6 79.6 79.6 79.5 79.6 84.5 84.5 84.5 84.5 84.5 GE 12000 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 89.1 89.1 89.1 89.1 GE 10000 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.6 89.6 89.6 89.6 9000 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 GF 91.4 91.4 91.4 91.4 GE 8000 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 GΕ 7000 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 97.8 97.8 97.8 97.5 97.8 97.8 97.8 97.8 97.8 97.8 97.8 90.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 5000 4500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.6 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 4000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100,0 100.0 100.0 100.0 100.0 100.0 ůΕ 3500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 3000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GF 2500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 20001100.0 1800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE GE 1200 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 900 1100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 800 100.0 100.G 100.0 100.0 GE 700 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 600 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

100.0 100.0 100.0 100.0

100 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

100.0 100.0 100.0

100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 651

500 100.0 100.0 100.0 100.0

100.0 100.0 100.0

100.0 100.0 100.0

GE

GE

GE

GE

GE

400 1100.0

3001100.0

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 HONTH: AUG HOURS: ALL

				LS	T TO UT	MON	TH: AUG	HOURS:	ALL	-							
		• • • • • •	• • • • • •		• • • • • • •							• • • • • • •	• • • • • • •			• • • • • • •	
	LING In 1	GE	GE	GE	GE	GE	GE AT218	GE ILLIT	N SIATU	ILE WIFE			-				
	ET	7	6	чк 5	4	3	2 1/2			GE 2 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE	GE	GE
		, , , , , , , , , , , , , , , , , , ,		. <i>.</i>							, , , , , , , , , , , , , , , , , , ,	3/4	2/6	1/2	3/8	1/4	0
CM	CEIL	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE	20000	82.6	82.6	82.6	82.6	82.6	82. ċ	82.6	82.6	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
	18000	82.9	82-9	82.9	82.9	82.9	82. 9	82.9	82.9	82.9	22.9	82.9	82.9	82.9	82.9	82.9	82.9
	16000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
	14000		84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE	12000	88.8	88.8	8.83	88.8	8.88	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE	10000	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE	9000	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE	8000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE	7000	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
٠.٤	6000	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE	5000		99.3	99.3	99.4	99.4	99.4	99.4	99.4	99,4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	4500	99.4	99.5	29.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GΕ	4000		99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	3500		99.7	99.8	99.8	99.8	99.8	99.8	8,93	99.8	49.8	99.8	99.8	99.8	99.8	99.8	99.8
ĢE	3000	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	29.9
GE	2500	99.8	99.8	99.8	99.9	99.9	99.9	99.0	9. 20	22.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	2000	99.8	99.8	99.9	99.9	99.9				100.0			100.0	100.0	100.0	100.0	100.0
GE	1800		99.5	99.9	99.9	99.9	99.9	100.0			100.0		100.0	100.0	100.0	100.0	100.0
GE	1500		99.8	99.9	99.9	99.9	100.0			100.0			100.0	100.0	100.0		100.0
GE	1200	99.8	99.8	99.9	99.9	99,9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1000	99.8	99.8	99.9						100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	900	8.99	99.8	99.9		100.0			100.0			100.0	100.0	100.0	100.0	100.0	100.0
GE	800	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700		99.8	99.9		100.0				100.0			100.0		100.0		100.0
GE	600	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500]	99.8	99.8		100.0					100.0				100.0	100.0	100.0	100.0
GΕ	400	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		99.8	99.8	99.9		100.0				100.0			100.0		100.0	100.0	100.0
GE	200	99.8	99.8	99.9			100.0			100.0			100.0	100.0	100.0	100.0	100.0
GE	100	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.	100.C	100.0	100.0
• • •	•••••		• • • • • •					• • • • • •		• • • • • •			• • • • • • •			• • • • • • •	• • • • •

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERICO OF RECORD: MAY 60 - APR 90 MONTH: SEP HOURS: 00-02 LST TO UTC: + 7 CEILING VISIBILITY IN STATUTE MILES IN IN GE FEET 7 GE GE GE GE CE GΕ 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 0 GE 20000 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 GE 18000 I 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.6 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 GE 16000 87.8 87.8 87.8 87.8 87.8 87.8 87.8 8.75 87.8 87.8 87.8 87.8 87.8 89.2 89.2 GE 14000 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 GE 12000 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 93.8 GE 10000 93.8 9000 i 93.8 93.8 93.8 93.8 93.8 GF 93.8 93.8 93.8 95.2 95.2 GE 8000 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 7000 95.9 95,9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 GE 6000 97.0 97.0 97.0 97.0 97.0 97.0 99.0 99.0 GE 50001 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99 n 00 0 99.0 90 n 99.0 99.0 99.0 99.0 99.0 GE 4500 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 GE 4000 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 3500 99.8 100.0 100.0 100.0 100.0 3000 99.8 CE 100.0 100.0 100.0 100.0 99.8 ĞĒ 25001 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2000 i 99.8 \$9.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 100.0 1 1800 99.8 GE 99.8 1500 GE 12001 99.8 GE 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1000 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 900 99.8 100.0 100.0 100.0 100.0 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 800 99.8 100.0 100.0 100.0 100.0 ĠΕ 99.8 100.0 100.6 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 700 99.8 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GÉ 600 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 GE 5001 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 630

GE

GE

LiF.

GE

4001 99.8

300

2001 99.8

99.8

100 99.8

000| 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

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99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OGSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HONTH: SEP HOURS: 03-05 LST TO UTC: + 7 CEILING VISIBILITY IN STATUTE MILES GE. GE GE GE GΕ IN GE GΕ GE GE GE GE FEET 2 1/2 1 1/2 1 1/4 1 5 3/4 3/8 1/4 1/2 NO CEIL I 86.0 GE 200001 86.4 86.4 86.4 8.5.4 86.4 86.4 86.4 86.4 86.4 GE 18000 I 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 80.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 84.5 86.5 86.5 86.5 GE 160001 86.5 86.5 86.5 86.5 86.5 67.7 GE 14000 I 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 GE 12000 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 92.8 92.8 92.8 92.3 92.8 92.8 GE 10000 92.8 92.8 92.8 92.8 92.8 92.8 92.8 93.6 GE 9000 93.6 93.6 93.6 93.6 93.6 43.6 93.6 93.6 93.6 93.6 93.6 93.0 93.6 93.6 93.6 95.0 8000 95.0 95.0 95.0 95.0 95.0 95.0 45.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 GE 95.0 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 7000 95.7 GΕ 97.2 97.3 97.3 97.2 97.2 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 Œ 6000 97.2 98.6 98.8 98.8 98.6 C8. S 93.8 98.8 GΕ 5000 98.5 98.6 98.6 98.6 98.8 98.8 98.8 98.8 98.8 GE 4500 99.0 99.1 99.1 99.1 99.1 99.1 99.3 99.3 99.3 99.3 99.3 99.3 29.3 94.3 99.3 99.3 4000 99.5 99.6 99.6 99.6 99.6 99.6 69.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 GE 99.6 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 3500 99.5 99.6 99.6 99.6 \$9.6 99.8 99.8 GE 99.8 99.8 99.8 GE 30001 99.6 **59.9** 99.9 99.9 99.9 GĘ 2500 99.6 99.8 99.8 99.8 99.8 99.8 99.9 99.9 99.9 99.9 99.9 90.0 99.8 2000 99.6 99.8 99.8 99.8 99.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 GE 1800 99.8 99.8 99.8 99.8 97.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 GE 99.6 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1500 Í 99.6 99.9 99.9 99.9 99.9 G5 99.9 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1200 99.6 99.9 Œ 1000 99.6 99.9 99.9 99.9 9.9 60.0 100.C 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.9 92.9 99.9 99.7 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 900 99.6 99.9 99.9 84.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 ĠΕ 800 99.6 99.9 700 i 99.6 99.9 99.9 99.9 99.9 99.5 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.9 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 600 l GE 99.6 100.0 160.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.9 99.9 99.9 99.9 00.0 500 99.6 400 GE 99.6 99.9 99.9 99.9 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 ĞΕ 300 i 99.6 99.9 99.9 99.9 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 200 99.6 90.9 90.0 99.9 99.6 99.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100 99.9 99.9 99.Ç 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.6 GE 000 99.6 99.9 99.9 99.9 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGNAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: SEP HOURS: 06-08

				£S	וט סד ז	C: + 7					MON	H: SEP	HOUR	\$: 06-0	8		
CEIL	ING		• • • • • •	· • • • • •			VISIBI	LITY I	N STATU	TE MILE	s		•••••			, 	•••••
FEE		GE 7	₽ CF	GE 5	GE 4	GF 3	GE 2 1/2	9 E	GE 1 1/2	GE 1 1/4	GE 1	GF 3/4	1.1 5/8	GE 1/2	1.1 3/8	1/4	(. !
	• • • •	· · · · · ·		 .	• • • • • •	· · · · · · · ·					' '		•••••				
NO C	EIL	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
	0000		82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
	8000		83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
	6000	-	83.1	83.1	83.3	83.3	85.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
	4000 2000		84.2 86.7	84.2 86.7	84.4 86.8	84.4 86.8	84.4 86.8	84.4 86.8	84.4 86.8	84.4 86.8	84.4 86.8	84.4 86.8	84.4 86.8	84.4 86.8	84.4 86.8	84.4 86.8	84.4 86.8
JE 1	2000	W .,	٠	90.7	٠.٠	₩.0	ω.υ	····	30.0	٠٠.٥		۵.0	30. 0	30.0	۵.8	30.8	50.
	0000		90.5	90.5	90.6	90.6	90.6	90.6	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.
_	9000		92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.
	8000	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.
	7000 6000		94.7 95.9	94.7 95.9	94.9 96.0	94.9 96.0	94.9 96.0	94.9 96.0	94.9 96.0	94.9 96.0	94.9 96.0	94.9 96.0	94.9 96.0	94.9 96.0	94.9 96.0	94.9 96.0	94. ¹ 96.
9E	0000	73.7	73.7	93.9	95.0	70.0	70 .0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.
		98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.
	4500	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.
	4000		99.4	99.5	99.6	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.
	3000 j	99.4	99.5 99.6	99.6 99.7	99.7 99.9	99.? 99.9	99.7 99.9	99.7 99.9	99.7 99.9	99.7 99.9	99.7 99.9	99.7 99.9	99.7 99.9	99.7 99.9	99.7 99.9	99.7 99.9	99. 99.
36	3000	77.4	77.0	47. /	77,7	77.7	77.7	77.7	77.7	77,7	77.7	77.7	77.7	75.7	77,7	77.7	77.
		99.4	99.6	99.7	99,9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.
		99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99,9	99.9	99.9	99.
	1	99.5	99.7 99.7	99.8 99.8	99,9	99.9 99.9	99.9	99.9 99.9	99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99. 99.
	1500		99.7	99.8	99,9 99,9	99.9	99.9 99.9	99.9	99.9 99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.
36	1200	17.5	77.1	77.0	77,7	77.7	77.7	**.*	77.7	77.7	77.7	**.*	**.*	77.7	77.7	77.7	77.
GE	1000	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.
GE	900	99.5	99.7	99.8	99,9	59.9	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.
GE	800	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99,9	99.9	99.9	99.
GE GE	700		99.8 99.8	99.9	100.0	100.0	100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0	100.
uE.	600	99.6 I	77.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
GE	500		99.8						100.0				100.0		100.0		100.
GE	400		99.8	99.9	100.0				100.0						100.0		100.
GE	,	99.6	99.8	99.9	100.0				100.0				100.0		100.0	100.0	100.
GE Ge	200	99.6	99.8 99.8	99,9	100.0	100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.
GE	:00;	1 77.0	77.0	77.7	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
GE	000	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
GE																	

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: SEP HOURS: 09-11 VISIBILITY IN STATUTE MILES CEILING ĢE IM ĢE CE GF GF GE GE GF GE GF GE GE 2 1/2 FEET 6 5 4 3 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 NO CEIL 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 85.2 85.2 85.2 85.2 85.2 85.2 85.2 85.2 85.2 GE 20000 85.2 85.2 85.2 85.2 85.2 85.2 85.2 GE 18000 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 GE 16000 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 87.1 87.1 87.1 GE 14000 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 GE 12000 39.6 89.6 89.6 89.6 89.6 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 GE 10000 91.9 91.9 91.9 91.9 91.9 9000 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 GE 92.8 92.8 92.8 92.8 GΕ 8000 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 95.1 GE 7000 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 96.6 GE 6000 96.5 96.5 96.5 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 97.9 98.1 98.1 98.1 5000 97.9 98.0 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 GE 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 GE 4500 95.2 98.2 98.3 98.3 98.3 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 4000 98.9 99.0 99.1 99.2 69.2 99.2 99.2 99.2 GE 99.0 99.1 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 GE 3500 98.9 GE 3000 99.2 99.3 99.6 99.7 99.7 99.7 99.4 00 5 99.7 99.7 00 7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 2500 GE 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GΕ 2000 99.4 99.5 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 1800 99.4 99.5 99.7 99.7 GE 1500 99.4 99.5 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 Œ 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 1200 99.7 99.6 99.9 99.9 99.9 99.9 99.9 99.9 1000 90.0 0.0 00.0 00.0 99.9 90.9 99.9 99.9 GΕ 100.0 100.0 100.0 GE 900 99.7 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 ĢΕ 800 99.7 99.8 99.9 100.6 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 700 99.7 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 160.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 600 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 500 99.7 99.8 99.9 100.0 100.0 100.C 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.7 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 400 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 300 99.7 100.0 100.3 99.7 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 200 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100 100.0 100.0 0001 99.7 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: SEP HOURS: 12-14 VISIBILITY IN STATUTE MILES CEILING GE GE GE GE GE GE GE GE in GE GE FEET 2 1/2 1 1/2 1 1/4 1 0 83.1 83.1 83.1 83.1 83.1 NO CEIL | 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 GE 20000 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 GE 18000 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.5 85.6 85.6 85.6 85.6 GE 16000 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 86.5 GE 14000 86.5 86.5 86.5 86.5 RA.S 84.5 84.5 86.5 84 5 86.5 86.5 86.5 86.5 86.5 86.5 88.9 88.9 88.9 GE 12000 88.9 88.9 88.9 88.9 88.9 RR.O 88.9 88.9 88.9 88.9 88.9 88.9 88.9 GE 10000 90.2 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 91.0 9000 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 GF 92.1 92.1 92.1 92.1 91.9 92.0 92.1 92.1 92.1 92.1 92.1 92.1 8000 92.1 92.1 GF 92.1 92.1 93.1 93.1 G€ 7000 92.9 93.0 93.1 93.1 93.1 93,1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 6000 95.0 95.0 95.1 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 GE 5000 96.5 96.5 96.6 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.6 97.1 97.1 97.1 97.1 96.9 GE 4500 98.0 98.2 98.2 98.2 GE 4000 98.0 98.1 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 3500 98.3 98.3 98.4 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 3000 98.4 98.5 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 GE GE 2500 98.9 98.9 99.0 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.2 99.3 99.3 99.2 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.1 99.3 99.3 99.3 GE 2000 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.3 99.5 99.5 99.5 GE 1800 99.4 99.5 99.5 99.6 GE 1500 99.3 99.4 99.5 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.7 99.4 99.5 99.7 99.7 99.7 99.7 99.6 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 8.99 99.8 10001 99.5 99.5 GE 99.8 99.7 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 GE 900 99.5 99.6 99.8 99.8 00 A 99.8 GE 800 99.5 99.6 99.7 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 8.99 99.8 99.5 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 700 99.6 600 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 5001 99.5 99.6 100.0 400 99.5 99.6 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.6 99.5 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 300 100.0 100.6 100.0 100.0 100.0 100.0 100.0 100.0 200 i 99.5 99.6 99.8 100.0 100.0 100.6 100.0 100.0 130.0 GE 99.5 99.6 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100 100.0 000 99.5 99.6 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAY 60 - APR 90 STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT MONTH: SEP HOURS: 15-17 LST TO UTC: + 7 VISIBILITY IN STATUTE MILES CEILING GE GE GE GE GE GE IN Œ GΕ GE: GE 5/8 1/2 1/4 FEET 3 2 1/2 2 1 1/2 1 1/4 1 3/4 3/8 0 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.6 79.7 79.7 79.7 NO CEIL 80.9 81.0 81.0 81.0 \$1.0 81.0 81.0 81.0 81.0 81.0 81.0 81.0 81.0 81.0 81.0 81.0 GE 20000 81.0 81.0 81.0 81.0 GE 18000 81.0 81.0 81.0 81.0 81.0 81.0 81.0 81.0 81.0 80.9 81.0 81.0 81.4 82.7 81.4 82.7 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 82.7 GE 16000 81.3 81.4 51.4 81.4 81.4 82.7 82.7 82.7 82.7 82.7 82.7 82.7 82.7 GE 14000 82.6 82.7 82.7 82.7 82.7 85.7 85.7 85.7 GE 12000 85.6 85.7 85.7 85.7 85.7 85.7 85.7 85.7 85.7 85.7 85.7 85.7 85.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.6 87.7 87.7 87.7 GE 10000 88.9 88.9 88.9 88.0 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 GE 9000 88.8 88.9 88.9 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 8000 90,4 90.5 90.5 90.5 GE 93.9 93.9 93.9 93.9 93.9 GE 7000 93.8 93.9 93.9 93.9 93.9 93.9 93.9 93.9 93.9 93.9 93.9 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 Œ 6000 96.3 96.4 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 GE 5C00 97.5 97.6 97.6 97.6 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 GE 4500 97.9 98.0 98.0 4000 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.7 98.8 98.8 98.8 GΕ 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 3500 98.9 99.0 GE 99.3 29.3 99.3 99.3 90.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 3000 99.2 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GΕ 2500 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 2000 99.5 99.6 99.6 99.6 99.6 Œ 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 GE 1800 99.5 99.6 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 1500 99.8 99.9 99.9 GE 99.9 99.9 99.9 99.9 99.9 99.9 Œ 99.8 99.9 99.9 99.9 99.9 99.9 1200 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 GΕ 99.8 1000 99.9 97. 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 90.9 GE 900 99.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99,8 99.9 99.9 99.5 GΕ 800 100.0 100.0 100.0 100.0 100.0 100.0 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 700 99.8 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 Œ 600 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.9 100.0 GE 500 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.9 100.0 100.0 GĒ 400 100.0 100.0 100.0 100.0 106.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 99.8 99.9 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 200 99.8 99.9 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100

TOTAL NUMBER OF OBSERVATIONS 1012

GE

000

99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: SEP HOURS: 18-20

				LS'	r to ut	c: + 7					MONT	H: SEP	HOUR	S: 18-2	0		
CEI	LING	• • • • • •	•••••	• • • • • •	• • • • • •		VISIBI	LITY	M STATU	TE MILES	• • • • • • • • • • • • • • • • • • •	• • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •
i		GE	GE	GE	GE	G£	GΕ	GE	GE	GE	GE	GE	GE	GΕ	GE	GE	GE
FE		7	6	5	4	3	2 1/2			2 1 1/4		3/4	5/8	1/2	3/8	1/4	0
	•••••	• • • • •		• • • • • •						••••	• • • • • • •						
NO	CEIL	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE	20000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE	18000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE	16000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE	14000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE	12000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE	10000	88.6	88.6	88.6	88.6	89.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE	9000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE	8000	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE	7000	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE	6000	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	5000	98.5	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE	4500	98.8	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99,1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	4000	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0		100.0
GE	3500		99.7	99.9	99.9	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	3000	99.7	99.7	99.9	99.9	190.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ĞĒ	2500	99.7	99.7	99.9	99.9	100.0	100.0			100.0			100.0	100.0	100.0	100.0	100.0
GΕ	2000	99.7	99.7	99.9	99.9	100.0	100.0		100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0
GE	1800	99.7	99.7	99.9	99.9	100.0	100.0			100.0		100.0	100.0		100.0	100.0	100.0
GΕ	1500		99.7	99,9	99.9	100.0		100.0		100.0		100.0	100.0		100.0	100.0	100.0
GE	1200	99.7	99.7	99,9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1000	99.7	99.7	99.9	99.9		100.0			100.0							100.0
GE	900	99.7	99.7	99.9	99.9	100.0	100.0	100.0		100.0			100.0	100.0	100.0	100.0	100.0
GE	800		99.7	99.9	99.9	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0		100.0
GE	700		99.7	99.9	99.9	100.0				100.0			100.0	100.0			100.0
GE	600	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		99.7	99.7	99.9	99.9	100.0		100.0		100.0			100.0				100.0
GE	400	99.7	99.7	99.9	99.9	100.0		100.0				100.0	100.0		100.0	100.0	
GE		99.7	99.7	99.9	99.9	100.0		100.0					100.0		100.0		100.0
GE	200		99.7	99.9	99.9	100.0	100.0	100.0			100.0	100.0	100.0		100.0	100.0	
GE	100	99.7 	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
																	• • • • • •

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGLAY PROVING GROUNDS UT
PERIOD OF RECORD: MAY 60 - APR 90
LST TO LITE + 7

			LS	TO UI	C: + 7					MON	TH: SEP	HOUS	RS: 21-3	23		
CEILING	• • • • • •	• • • • • •	•••••	• • • • • •	• • • • • •	VISIR	ILITY I	N STATI	JTE MILE		•••••	• • • • • •	• • • • • •	•••••	•••••	•••••
IN !	GE	GE	GE	GE	GΕ	Œ	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	7	6	5	4	3	2 1/2	2	1 1/2	2 1 1/4		3/4	5/8	1/2	3/8	1/4	0
	· • • • • • •	• • • • •	•••••	• • • • • • •		• • • • • • •	• • • • • •	•••••	• • • • • • •	• • • • • •	•••••		• • • • • • •	•••••		
MO CEIL	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 20000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86 .0	86.0	86.0	86.0	86.0	86.0	86.0
GE 18000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 16000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 14000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 12000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 10000		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 9000		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 8000		93.5	93.5	93.5	93.5	93 5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 7000	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 6000	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 5000	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4500	98.9	\$9.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 4000		99.8		100.0		100.0	100.0		100.0		100.0	100.0	100.0	100.0		100.0
GE 3500		99.8			100.0				100.0			100.0	100.0	100.0		100.0
GE 3000	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500!	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.3	100.0	100.0	100.0	100.0
GE 1200	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	99.8	100.0	100.0	100.0	100.0			100.0			100.0	100.0	100.0	100.0	100.0
GE 800	99.5	99.8	100,0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	99.5			10C.0					100.0						100.0	160.0
GE 600	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	99.5	99.8							100.0				100.0	100.0	100.0	100.0
	99.5	99.8		100.0					100.0			100.0		100.0	100.0	100.0
	99.5	99.8		100.0					100.0			100.0			100.0	100.0
	99.5			100.0					100.0					100.0	100.0	100.0
GE 100	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE GOO	99.5	90.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 630

D - 2 - 80

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST 10 UTC: + 7 MONTH: SEP HOURS: ALL

				ſS	וט סד דו	C: + 7					MONT	TH: SEP	HOURS:				
CEI	LING	• • • • • •	• • • • •		•••••	•••••	VISIBI	LITY II	N STATU	E MILES	 5		• • • • • •		• • • • • • •	• • • • • •	
I		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FE	ET	7 • • • • • • •	6		4	3	2 1/2	2	1 1/2	1 1/4		3/4	5/8	1/2	3/8	1/4	
NO I	CEIL	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE	20000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
	18000	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
	16000	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE	14000	85.7	85.7	85.7	85,8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE	12000	88.2	58.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE	10000	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE	9000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE	8000	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GΕ	7000		94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE	6000	96.3	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE	5000		98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GΕ	4500	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE	4000		99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GΕ	3500		99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GΞ	3000	99.3	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
Œ	2500		99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GΕ	2000	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	1800		99.6	99,7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	1500		99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	1200	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	1000		99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99.9
GΞ	900		99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
G€	800		99.8	99.9	99.9	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	790		99.8	99.9	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	99 .7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500		99.8		100.0				100.0					100.0	100.0		100.0
GE	400		99.8		100.0	100.0			100.0				100.0	100.0	100.0	100.0	
GE		99.7	99.8		100.0	100.0			100.0				100.0	100.0	100.0	100.0	100.0
GE	200		99.8		100.0	100.0	100.0		100.0				100.0	100.0	100.0	100.0	100.0
GE	100	99 .7 	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	190.0	100.0	100.0
GE	000	99.7	99.8	99,9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	• • • • •			• • • • • •			• • • • • • •		• • • • • • •			• • • • • • •					· · · · · · ·

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: OCT HOURS: 00-02 LST TO UTC: + 7 CEILING VISIBILITY IN STATUTE HILES GE Œ I M Œ GE GE GF G₹ GE Œ 2 1/2 FEET 5 3 2 1 1/2 1 1/4 4 1 3/4 5/8 1/2 3/8 1/4 0 87.4 87.4 GE 20000 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 GE 18000 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 GE 16000 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 GE 14000 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 GE 12000 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 91.4 91.4 GE 10000 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 9000 91.6 91.6 GE 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 8000 91.6 91.6 91.6 91.6 91.6 GE 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 92.2 92.2 92.2 92.2 GE 7000 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 94.5 94.5 94.5 GE 6000 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 Œ 5000 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 96.6 98.5 96.6 Œ 4500 96.6 98.5 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 98.5 98.5 GE 4000 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 99.1 99.1 99.1 3500 09.1 99.1 99.1 99.1 99.1 99.1 GE 99.1 99.1 99.1 99.1 99.1 99.1 99.1 Œ 3000 99.5 99.5 90.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 2500 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 100.0 1 2000 1800 ĞĒ GΕ 1500 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 190.0 100.0 100.0 100.0 100.0 1200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 Œ 1000 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 900 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 100.0 1 Œ 800 GE 700 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 600 SCO 100.0 400 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 100.0 1 GΕ 200 GĒ 000 99-8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: OCT HOURS: 03-05 CEILING VISIBILITY IN STATUTE MILES IN GE GE GΕ GE GE GE GE GE GΕ GΕ GE GE GE FEET 2 1/2 2 1 1/2 1 1/4 6 5 4 3 3/4 1 5/8 1/2 3/8 1/4 0 NO CEIL Í 84.9 84.9 84.9 84.9 84.9 84.9 84.9 94.9 84.9 84.9 84.9 84.9 84.9 84.9 84.9 85.4 85.4 85.4 85.4 GE 20000 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 GE 18000 | 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 35.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 GE 1600C 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 GE 14600 85.8 85.8 85.8 85.8 85.8 85.8 85.8 85.8 85.8 85.8 85.8 85.8 85.8 85.8 85.8 85.8 GE 12000 88.0 58.0 88.0 88.0 85.0 88.0 0.88 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 91.3 91.3 91.3 91.3 GE 10000 91.3 21.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.5 GE 9000 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 GΕ 8000 92.2 72.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 GE 7000 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 GΕ 6000 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 GE 5000 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 05 3 95.7 95.7 95.9 95.9 95.9 95.9 95.9 4500 95.7 95.9 95.9 95.9 95.9 95.9 GE 95.9 95.9 95.9 4000 97.8 97.8 97.9 98.1 GE 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 GE 3500 98.5 \$3.5 98.7 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 99.6 3000 99.1 99.1 99.3 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 GE 2500 99.1 99.1 99.3 99.6 99.6 99.6 99.6 99.6 9.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.4 2000 59.3 99.3 99.8 99.8 99.8 99.8 99.8 97.8 99.8 99.8 99.8 99.8 99.8 90.8 99.8 CE 99.8 99.3 99.3 99.4 99.8 99.8 99.8 99.8 99.8 99.8 1800 99.B 90.A 99.8 99.8 99.8 GE 90 A 99.3 99.3 99.4 99.9 1500 99.9 99.9 99.9 99.9 GE 99.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 GF 1200 99.3 99.3 99.4 99.8 99.9 99.9 99.9 V9.9 99.9 29.0 99.9 99.9 90.0 99.9 99.9 99.9 ĢE 1000 [99.3 99.3 99.4 99.8 99.9 99.9 99.9 59.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.3 99.8 99.9 99.9 99.9 99.9 99.3 99.4 99.9 99.9 99.9 99.9 99.9 99.9 GE 900 i 99.9 99.9 99.3 9.3 99.4 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 GE 800 99.8 99.9 99.9 99.9 99.9 GF. 70C 99.3 99.3 99.4 99.8 99.9 99.9 99.9 99.9 99.9 00 0 00.0 **QC** 0 90.0 00 0 99.9 00 0 600 99.3 99.3 99.4 99.8 99.9 99.9 99.9 99.9 99.0 00 0 00.0 GE 00 0 00 0 99.9 CQ 0 99.3 99.3 99.9 300 ľ 99.9 GE 99.4 99.8 90.9 99.9 9.9 99.9 99.9 99.9 99.9 99.9 99.9 ÇQ.9 400 99.3 99.3 99.4 99.8 99.9 99.9 99.9 99.9 99,9 99.9 99.9 99.9 99.9 99.9 99.9 GE 99.9 97.3 99.4 99.8 99.9 99.9 GΕ 300 99.3 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 200 99.3 99.3 99.4 99.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 GE 90.9 100 0 100.0 100 0 100.0 99.3 99.3 99.9 99.9 99.9 100 90.9 9.90 GE 100.0 100.0 100.0 100.0 GE 000 99.3 99.3 99.4 99.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 823

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGNAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: OCT HOURS: 06:08 LST TO UTC: + 7 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE IN FEET 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 0 78.1 78.3 GE 20000 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.9 GE 18000 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.9 GE 160C0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 0.08 80.1 80.0 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.4 GE 14000 81.2 81.2 81.2 GE 12000 83.5 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.7 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 Œ 10000 87.4 87.4 87.4 87.4 87.6 88.5 88.5 88.5 88.5 88.5 88.5 GE 9000 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.7 90.3 GE 8000 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.4 7000 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.2 GE 92.0 93.8 93.8 93.8 93.8 8.50 GE 6000 93.7 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.9 GE 5000 95.3 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.5 4500 95.7 95.7 95.8 95.8 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 GΕ 96.0 97.3 97.1 97.2 97.2 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.4 4000 97.0 GΕ 97.4 97.5 97.7 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 98.0 Œ 3500 97.7 98.9 98.6 98.8 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 99.0 Œ 3000 98.3 98.3 98.9 99.0 99.0 99.0 99 n 99.0 99.0 99.0 99.0 99 0 99.1 GE 2500 98.3 98.4 98.7 98.8 99.0 99.0 99.2 GE 2000 98.6 98.6 98.9 99.0 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.3 99.2 96.6 98.7 99.0 99.1 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.4 GE 1800 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.6 Œ 1500 98.6 98.7 99.0 99.1 99.4 99.4 99.4 GE 98.8 99.0 99.2 99.5 99.5 98.7 1200 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.8 98.8 99.0 99.2 99.4 99.6 99.6 99.6 GE 1000 98.7 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.8 GE 900 98.7 98.8 99.0 99.2 99.4 99.6 99.6 99.6 90.8 99.6 GE 800 98.7 98.8 99.0 99.2 99.4 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 98.7 98.8 99.0 99.2 99.4 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.8 GΕ 700 99.6 99.6 99.6 99.6 99.6 99.6 99.6 600 98.7 98.8 99.0 GE 99.2 99.6 99.6 99.6 99.6 99.6 99.8 99.4 99.6 99.6 99.6 99.6 99.6 ĢΕ 500 98.7 98.8 99.0 99.8 98.8 GE 400 98.7 99.0 99.2 99.4 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.0 99.2 99.4 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 GE 300 98.7 98.8 99.6 99.8 99.6 200 99.0 99.2 99.4 99.6 59.6 99.6 99.6 99.6 99.6 99.7 99.7 99.7 99.9 98.7 GE GR.R 99.6 99.7 98.7 90.6 99.6 99.6 99.7 99.7 99 9 90.A 90 A GE 100 98.8 99.0 99.2 00.4 99.6 000 98.7 98.8 99.0 99.2 99.4 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.7 99.7 99.7 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY COSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 HONTH: OCT HOURS: 09-11

				LS1	TO UT	C: + 7					MONT	H: OCT	HOURS	5: 09-1	1		
CEILI	 NG	••••	• • • • • •	• • • • • •	•••••	••••	VISIBII	ITY IN	STATUT	E MILES	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••		• • • • • •
IN		ωE	GΕ	GE	GΕ	GE	GE	GΕ	GE	GE	GE	GE	GΕ	GE	GE	GE	GE
FEET	- i	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
• • • • •		• • • • •	• • • • • •	• • • • • •	•••••	• • • • • •		• • • • • •	• • • • • • •		• • • • • •	• • • • • •	•••••			• • • • • • •	•••••
NO CE	IL 7	9.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 200	200 a	0.7	80.7	80.7	80.7	80.7	80.7	80.7	86.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8
GE 180	000 8	C.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0
GE 160	200 a	1.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81,1	81.1
GE 140		2.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 120	000 8	4.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9
GE 100	000 B	7.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0
		9.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	2.93	89.2	89.2	89.2	89.2	89.3	89.3	89.3
		0.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	7 0.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
		1.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9
GE 60	900	3.9	93.9	93.9	93.9	93.9	93.9	95.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0
		4.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95 .0	95.0	95.0	95.0	95.0
		5.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4
•		5.9	95.9	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
		6.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.3	96.3	96.3
GE 30	900	7.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.6
		7.8	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	93.1	98.1	98.1	98.1	98.1	98.1
		8.3	98.3	98.6	98.6	98.6	98.€	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	78.9
		3.3	98.3	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.5	98.8	93.8	98.9	98.9	98.9
		8.4	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99 .0	99.2	99.2	99.2	99.2	99.2	99.2
GE 12	200 9	8.7	98.7	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5
		8.7	98.7	99.1	99.2	99.3	99.3	99.4	99.4	99.4	89.4	99.5	99.5	99.5	99.6	99.6	99.6
		8.7	98.7	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6
		9.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
		9.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	93.9
GE 6	500 S	9 .0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
		9.0	99.0	99.4	99.6	99.7	99.7	<u>79.7</u>	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
		9.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
		9.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
		9.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0
GE '	100 9	9.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0
GE (000 9	9.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0
					• • · • • • •			- -		<i></i>				• • • • • • • •			

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: OCT HOURS: 12-14 LST TO UTC: + 7 CEILING VISIBILITY IN STATUTE MILES GE GE GE GΕ GE GF GE IM 5 4 3 2 1/2 2 1 1/2 1 1/4 FEET 6 1 3/4 5/8 1/2 3/8 1/4 0 79.4 79.4 79.4 NO CEIL Í 79.4 GE 20000 81.8 81.8 81.8 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 GE 18000 82.1 82.1 82.1 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.1 82.1 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 GE 16000 82.1 82.2 82.2 82.2 82.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 GE 14000 85.0 85.0 85.0 85.0 85.0 85.0 85.0 85_0 85.0 85.0 85.0 GE 12000 85.0 85.0 85.0 85.0 85.0 87.8 87.8 87.9 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.1 88.1 88.1 GE 10000 87.7 88.7 GE 9000 88.3 88.4 88.5 88.6 88.6 88.6 88.6 88.6 88.6 88.6 88.6 88.6 88.7 88.7 88.7 89.4 89.4 89.2 89.4 89.4 89.4 89.4 89.4 89.5 89.5 GE 8000 89.1 89.3 89.4 89.4 89.5 89.5 7000 90.6 90.7 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.9 90.9 90.9 GE 90.5 90.6 90.9 93.2 93.2 93.2 93.3 93.0 93.1 93.2 93.2 93.2 93.2 93.2 93.2 93.3 93.3 GE 6000 92.9 93.3 GE 5000 94.3 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.8 94.8 94.8 94.8 4500 94.7 94.8 95.0 95.2 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 GE ĞĒ 95.9 96.0 96.3 96.4 96.4 95.4 96.4 96.5 96.5 96.5 4000 96.1 96.4 96.4 96.4 96.4 96.5 GE 97.1 96.8 97.1 97.1 3500 96.3 96.3 96.5 96.7 96.8 96.8 96.8 96.8 96.8 96.8 96.8 97.1 97.1 97.3 97.6 97.6 97.6 97.8 3000 97.0 97.5 97.6 97.6 97.6 97.6 97.6 97.8 97.8 97.8 98.3 98.4 98.4 98.4 98.4 98.5 98.5 98.7 98.7 98.7 98.7 98.1 08 4 08.4 97.8 98.0 GE 2500 99.1 98.8 98.8 98.8 98.8 98.8 99.1 99.1 99.1 GE 2000 98.1 98.3 98.5 98.7 98.8 98.8 98.8 99.1 99.1 99.1 99.1 98.8 98.8 GE 1800 98.1 98.3 98.6 98.8 8.8 98.8 98.8 98.8 98.9 98.9 GE 1500 98.3 98.4 98.7 98.9 99.0 99.0 99.0 99.0 99.0 99.0 99.1 99.1 99.3 99.3 99.3 99.3 GE 99.1 99.2 99.4 99.4 1200 98.6 98.8 98.4 99.4 98.6 99.3 99.4 99.4 99.4 99.4 99.0 99.4 99.5 99.7 99.7 99.5 99.7 99 7 GE 1000 98.5 99.5 99.8 99.5 99.6 99.6 99.8 GΕ 900 98.6 98.7 99.1 99.4 99.5 99.5 99.5 99.5 99.B 99.8 GE 800 98.6 98.7 99.1 99.4 99.6 99.6 99.6 99.6 99.6 99.6 99.7 99.7 99.9 100.0 100.0 100.0 99.6 99.6 99.6 99.6 99.7 99.9 100.0 100.0 100.0 GΕ 700 98.6 98.7 99.1 99.4 99.6 99.6 99.7 600 99.6 99.6 99.6 99.6 99.6 99.7 99.9 100.0 100.0 100.0 98.7 99.6 GE 98.6 99.1 99.4 98.6 99.4 99.6 99.6 500 98.7 99.1 99.6 99.6 99.6 99.6 99.7 99.7 99.9 100.0 100.0 100.0 GΕ 99.6 99.6 99.6 99.6 GE 98.7 99.1 99.4 99.6 99.6 99.7 99.7 99.9 100.0 100.0 100.0 400 98.6 99.6 99.6 99.7 99.9 GE 300 98.6 98.7 99.1 99.4 99.6 99.6 99.6 99.6 99.7 100.0 100.0 100.0 99.1 99.6 98.7 99.4 99.6 99.6 99.6 99.6 99.6 99.7 99.7 99.9 100.0 100.0 100.0 GE 200 98.6 99.6 100.0 98.7 00 1 90.4 4.00 99.6 99.6 00 A 99.6 99.7 99.7 99.9 100.0 100.0 GE 100 98.6 99.6 99.6 99.6 99.6 99.6 99.7 99.7 99.9 100.0 100.0 100.0 000 98.6 98.7 99.1 99.4 99.6 GΕ

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: CCT HOURS: 15-17

			LS.	TOUT	C: + 7					MONT	H: OCT	HOUR	S: 15·1	7		
CEILIN		• • • • • • •		• • • • • •	• • • • • •	VICIDI		STATUT			• • • • • •	•••••	• • • • • • •	• • • • • •		
IN	, GE	GE	GE	GE	GE	GE	GE	GE GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	7	6	5	.4	3	2 1/2	2		1 1/4	ĩ	3/4	5/8	1/2	3/8	1/4	0
•••••					• • • • • • •		• • • • • •									
NO CEI	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	70.9	79.9	79.9	70.9
	1					_				••••		17.7	17.7	, , , ,	77.7	79.9
GE 200		81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 180		81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81,4	81.4
GE 160		81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 140		82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 120	00 85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	8 5.3	85.3	85.3	85.3	85.3	85.3
GE 100		88.0	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	83.2	88.2	88.2	88.2	88.2
GE 90		38. 9	89.0	89.0	89.0	89. 0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
G5 80		90.2	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 70		91.6	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9	71.9	91.9	92.0	92.0	92.0	92.0
GE 60	00 94.0	94.0	94.2	94.3	94.3	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.6	94.5	94.6	94.6
GE 501	00 94.6	94.6	94.8	95.0	95.0	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3
GE 450	00 94.9	94.9	95.1	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5
GE 400	00 95.7	95.7	95.9	96.1	96.1	66.1	96.2	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4
GE 351	00 96.1	96.1	96.3	96.5	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 30	00 96.7	96.7	96.9	97.2	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5
GE 25	00 97.8	97.8	98.0	98.3	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 201		97.9	98.3	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
GE 18		98.1	98.6	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
	00 98.2	98.4	98.9	99.2	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 12		98.6	99.1	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 10	00 98.4	98.6	99.1	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
	00 98.4	98.6	99.1	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
	00 98.4	98.6	99.1	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
	00 98.4	98.6	99.1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
	00 98.4	98.6	99.1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.C	100.0	100.0
GE 50	j 00∣98.4	98.6	99.1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
	00 98.4	98.6	99.1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
	00 98.4	98.6	99.1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
	00 98.4	98.6	99.1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
	00 98.4	98.5	99.1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9		100.0	100.0	100.0
UE 11	70.4	70.3	77.1	77.3	77.3	77.2	77.0	77.7	77.7	77.7	77.7	77.9	100.0	100.0	100.0	100.0
GE 0	00 98.4	98.6	99,1	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION MUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - AFR 90 LST TO UTC: + 7 MONTH: OCT HOURS: 18-20 CEILING VISIBILITY IN STATUTE MILES IN Œ GE GE GE GF GF GE GF 1 1/2 1 1/4 FEET 7 5 4 3 3/8 1 3/4 5/8 1/2 1/4 0 NO CEIL 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 GE 200001 83.5 GE 18000 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 GE 16000 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 84.4 GE: 14000 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4 GE 12000 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 GE 10000 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8 GE 9000 91.8 91.8 91.8 92.4 GE 8000 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 93.5 93.5 7000 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 GF 93.5 93.5 95.7 95.7 95.7 95.7 95.7 95.7 95.7 Œ 6000 95.6 95.6 95.6 95.7 95.7 95.7 95.7 95.7 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 GE 5000 96.8 96.8 96.8 95.9 96.9 96.9 96.9 4500 96.8 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 GE 96.8 96.8 97.7 97.5 97.5 97.7 97.7 Œ 4000 97.5 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.9 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 GE 3500 97.9 97.9 98.0 98.0 98.0 98.0 98.8 8.39 98.8 3000 98.5 98.6 98.8 98.8 98.8 98.3 98.8 98.8 98.8 98.8 98.8 98.8 99.4 99.4 99.4 99.4 99.4 GE 2500 99.3 99.4 99.4 99.4 99.4 99.4 99.9 99.9 GF 2000 99.6 99.6 99.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.6 99.9 1500 99.6 99.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 Œ 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 1500 99.6 99.8 99.9 99.9 1200 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.C 100.O 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 Œ 1000 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 Œ 900 99.8 99.8 99.9 GE 800 99.8 99.9 100.0 ĞĒ 700 99.8 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 Œ 600 99.8 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 Œ 500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 400 99.8 99.8 59.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 Œ 300 99.8 99.8 GΕ 200 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 813

GE

99.8

0 - 2 - 88

000| 99.8 99.3 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGNAY PROVING GROUNDS UT PERIOD OF RECORD: NAY 60 - APR 90 HONTH: OCT HOURS: 21-23

				18	ו וט טו	L: + /					PECON 1	H: OCT	HOUR	5: 21.2	.5		
CEILI	NG	• • • • •	• • • • • •	• • • • • •		•••••	VISID	LITY I	N STATU	E MILES	<u>.</u> S	*****	•••••	•••••	• • • • • • •	• • • • • •	• • • • • • •
IN	- 1	GΕ	GE	GE	GE	GΕ	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET			6		4	3	2 1/2		1 1/2	1 1/4		3/4	5/8	1/2	3/8	1/4	0
NO CE	11.	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 200	000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 18		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 160		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 140		86.6	86.6	86.6	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 120	וייייי	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 100		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
	000 1000	91.6	91.6	91.6	91.6	91.6 91.6	91.6 91.6	91.6 91.6	91.6	91.6	91.6	91.6	91.6 91.6	91.6	91.6	91.6	91.6
GE 80		91.6 92.3	91.6 92.3	91.6 92.3	91.6 92.3	92.3	92.3	92.3	91.6 92.3	91.6 92.3	91.6 92.3	91.6 92.3	92.3	91.6 92.3	91.6 92.3	91.6 92.3	91.6 92.3
-	000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
)	• •	0 / 0	D 4 0	04.0	9 4 0	04.0	٥, ٥	04.0	D/ 0	54.0	04.0	04.0	٥, ٥		•	
	000 (500 (96.0 96.2	96.0	96.0 96.2	96.0 96.2	96.0 96.2	96.0 96.2	96.0 96.2	96.0 96.2	%.0 %.2	96.0 96.2	96.0 96.2	96.0 96.2	96.0 96.2	96.0 96.2	96.0 96.2	96.0 96.2
		97.7	96.2 97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
		98.3	93.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
	000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 25	500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
	500	99.8	99.8	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		99.8	99.8	100.0	100.0	100.0					100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 12	000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.0	100.0	100.0	100.0
GE 10	000	99.8	99.8	100.0					100.0						100.0	100.0	100.0
		99.8	99.8	100.0		100.0			100.0				100.0			100.0	100.0
	,	99.8	99.8	100.0	100.0				100.0				100.0			100.0	100.0
		99.8	99.8	100.0			100.0		100.0				100.0			100.0	100.0
GE 6	500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
-		99.8	99.8	100.0					100.0						100.0		100.0
		99.8	99.8	100.0					100.0						100.0		100.0
		99.8	99.8	100.0	100.0	100.0	100.0		100.0				100.0		100.0		100.0
		99.8 99.8	99.8 99.8	100.0	100.0	100.0	100.0		100.0 100.0				100.0 100.0		100.0	100.0	100.0
UE .	1001	77.0	77.0	100.0	100.0	100.0	100.0	100.0	100.0	,00.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE (000 [99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
• • • • •	• • • •	• • • • • •			• • • • • •	• • • • • •	• • • • • •		• • • • • • •		• • • • • •	• • • • • •		• • • • • •	· · · · · ·	· · · · · · ·	• • • • • • •

PERCENTGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90

U.n			0,0.10	LST	TO UTO	: + 7				•	MON1	H: OCT	HOURS:	ALL	,,,,		
051		•••••		• • • • • •	• • • • • • •	• • • • • • •	VICIOI	177 1	N STATUI	 E M!!E	• • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •
CEI	LING	GE	GΕ	GE	GE	GE	GE A12181	GE	GE GE	GE GE	GE	GE	GE	GE	GE	GE	re
FE		7 UE	6	Š	4	3	2 1/2	2		1 1/4	ΨE 1	3/4	5/8	1/2	3/8	1/4	G E 0
15	F: I		0	,	4	•	2 1/2	c	1 1/2	1 1/4	•	3/4	2/6	1/2	3/6	1/4	U
••••	• • • • • •	• • • • • •		• • • • • •	• • • • • • • •	• • • • • •	•••••	• • • • • •		• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	••••	• • • • •
				01.7	04 7	01 7	61 7	01 7	01 7	01 7	01 7	04 7	04 7	01 7	01 7	01 7	04 /
NO	CEIL	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4
											-0.5		00.5	44 F		•••	
	20000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6
	18000	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
		82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
	14000		83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE	12000	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
		1															
GE	10000	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE	9000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9
GΕ	8000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8
GE	7000	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.1
GE	6000	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
		1															
GE	5000	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5
GE	4500	95.6	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9
GE	4000	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1
GE	3500	97.2	97.2	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6
GE	3000	97.0	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.5
		\											-	_			
GE	2500	98.5	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE	2000		98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE	1800		98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GΕ	1500		98.9	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE	1200		99.0	99.3	99.5	99.5	59.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE.	1200	1 77.0	77.0	**.3	77.7	**.5	,,	,,,,			,,,,						•••
GE	100C	99.0	99.0	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE	900		99.0	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	3.00
GE	800		99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.5
	700		99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE		99.0		99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.5
GE	600	ļ 9 9.0	99.1	77.4	99.0	77,1	77.1	77.0	77.0	77.3	77.0	77.0	77.0	77.7	77.7	77.7	77,1
	E00	, ~ v	00.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.5
GE	500		99.1	-				99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.5
GΕ	400		99.1	99.4	99.6	99.7	99.7					99.8	99.8	99.9	99.9	99.9	99.5
GE	300		99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8						
GE	200		99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE	100	ļ 99.0	99.1	9 \$.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0
		J	(:	:			••	00.0	~ .	•• •	~~ ^	00.0	~ ~	^	100.0	100 (
GE	000	99.0	99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0
															. 	<i></i>	

TOTAL NUMBER OF OBSERVATIONS 8300

2 - 2 - 90

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION HUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: NOV HOURS: 00-02

				FSI	10 011	C: + /					MONT	H: NOV	HOURS	s: 00-0	2		
CEILI	NG	•••••	•••••	•••••	• • • • • •	• • • • • •	VISIBIL	ITY IN	STATUT	E MILES	•••••	• • • • • •	• • • • • • •	• • • • • •	• • • • • •		•••••
IN FEET		GE 7	GE 6	GE 5	GE . 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE O
NO CE	ı.	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 20 GE 18 GE 16	1000	68.7 68.7 69.4	68.7 68.7 69.4	68.7 68.7 69.4	68.7 68.7 69.4	68.7 68.7	68.7 68.7 69.4	68.7 68.7 69.4	68.7 68.7	68.7 68.7	68.9 68.9	68.9 68.9	68.9 68.9	68.9 68.9	68.9 68.9	68.9 68.9	68.9 68.9
GE 14 GE 12	000	71.7 75.7	71.7 75.7	71.7 75.7	71.7 75.7	69.4 71.7 75.7	71.7 75.7	71.7 75.7	69.4 71.7 75.7	69.4 71.7 75.7	69.5 71.9 75.9	69.5 71.9 75.9	69.5 71.9 75.9	69.5 71.9 75.9	69.5 71.9 75.9	69.5 71.9 75.9	69.5 71.9 75.9
	000	80.8	80.8 82.2	80.8 82.2	80.8 82.2	80.8 82.2	80.8 82.2	80.8	80.8 82.2	80.8	81.0 82.4	81.0 82.4	81.0 82.4	81.0 82.4	81.0 82.4	81.0 82.4	81.0 82.4
GE 7	000	84.0 85.1 87.9	84.0 85.1 87.9	84.0 85.1 87.9	84.0 85.1 87.9	84.0 85.1 87.9	84.0 85.1 87.9	84.0 85.1 87.9	84.0 85.1 87.9	84.0 85.1 87.9	84.1 85.2 88.1	84.1 85.2 88.1	84.1 85.2 88.1	84.1 85.2 88.1	84.1 85.2 88.1	84.1 85.2 88.1	84.1 85.2 88.1
GE 4	000 500	90.8 92.4	91.0 92.5	91.0 92.5	91.0 92.5	91.0 92.5	91.0 92.5	91.0 92.5	91.0 92.5								
GE 3	000 500 000	94.0 94.8 95.6	94.0 94.8 95.6	94.0 94.8 95.6	94.0 94.8 95.6	94.0 94.8 95.7	94.0 94.8 95.7	94.0 94.8 96.0	94.0 94.8 96.0	94.0 94.8 96.0	94.1 94.9 96.2	94.1 94.9 96.2	94.1 94.9 96.2	94.1 94.9 96.2	94.1 94.9 96.2	94.1 94.9 96.2	94.1 94.9 96.2
	500	96.0 97.0	96.0 97.0	96.0 97.3	96.0 97.5	96.2 97.8	96.2 97.8	96.5 98.1	96.5 98.1	96.5 98.1	96.7 98.3	96.7 98.3	96.7 98.3	96.7 98.3	96.7 98.3	96.7 98.3	96.7 98.3
GE 1	800 500 200	97.0 97.3 97.3	97.0 97.3 97.3	97.3 97.6 97.6	97.5 97.8 97.8	97.8 98.1 98.1	97.8 98.1 98.1	98.1 98.6 98.6	98.1 98.6 98.6	98.1 98.6 90.6	98.3 98.7 98.9	98.3 98.7 98.9	98.3 98.7 98.9	98.3 98.7 98.9	98.3 98.7 98.9	98.3 98.7 98.9	98.3 98.7 98.9
GE 1	900	97.5 97.5	97.5 97.5	97.8 97.8	97.9 97.9	98.3 98.3	98.3 98.3	98.7 98.7	98.7 96.7	98.7 98.7	99.0 99.0	99.0 99.0	99.0 99.0	99.0 99.0	99.0 99.0	99.0 99.0	99.0 99.0
GE GE	800 700 600	97.5 97.5 97.5	97.5 97.5 97.5	97.8 97.8 97.8	97.9 97.9 97.9	98.3 98.3 98.3	98.3 98.3 98.3	98.7 98.9 98.9	98.7 98.9 98.9	98.7 98.9 98.9	99.0 99.2 99.2	99.0 99.2 99.2	99.0 99.2 99.2	99.0 99.2 99.2	99.0 99.2 99.2	99.0 99.2 99.2	99.0 99.2 99.2
GΕ	500	97.5	97.5	97.8	97.9	98.3	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.7	99.7	99.7
GE GE	300 200	97.5 97.5 97.5	97.5 97.5 97.5	97.8 97.8 97.8	97.9 97.9 97.9	98.3 98.3 98.3	98.3 98.3 98.3	98.9 98.9 98.9	98.9 98.9 98.9	98.9 98.9 98.9	99.2 99.2 99.2	99.5 99.5 99.5	99.5 99.5 99.5	99.5 99.5 99.5	100.0 100.0 100.0	100.0 100.0 100.0	100.0 100.0 100.0
	Ì	97.5 97.5	97.5 97.5	97.8 97.8	97.9 97.9	98.3 98.3	98.3 98.3	98.9 98.9	98.9 98.9	98.9	99.2	99.5 99.5	99.5 99.5	99.5	100.0	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: DUGHAY PROVING GROUNDS UT STATION NUMBER: 690110 PERIOD OF RECORD: MAY 60 - APR 90 MONTH: NOV HOURS: 03-05 LST TO UTC: + 7 CEILING VISIBILITY IN STATUTE MILES Œ GE GE 11 GE GE GE 7 FEET .6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 0 NO CEIL 71.1 71.7 71.8 71.9 71.9 71.9 71.9 71.9 71.9 72.1 72.2 72.2 72.2 72.2 72.2 72.4 GE 20000 71.1 71.7 71.8 71_0 71.9 71.9 71.9 71.9 71.9 72.1 72.2 72.2 72.2 72.2 72.2 72.4 71.9 71.9 GE 18000 71.1 71.7 71.8 71.9 71.9 71.9 71.9 72.1 72.2 72.2 72.2 72.2 72.2 72.4 71.9 GE 16000 71.7 71.9 71.9 71.9 71.9 71.9 72.2 71.1 71.8 72.1 72.2 72.2 72.2 72.2 72.4 GE 14000 73.3 73.9 74.0 74.2 74.2 74.2 74.2 74.2 74.2 74.3 74.5 74.5 74.5 74.5 74.5 74.6 GE 12000 77.0 77.0 77.0 77.3 76.2 76.7 76.9 77.0 77.0 77.0 GE 10000 80.0 80.5 80.7 80.8 80.8 80.8 80.8 80.8 80.8 81.0 81.1 81.1 81.1 81.1 81.1 81.2 GE 9000 81.2 81.8 81.9 82.1 82.1 82.1 82.1 82.1 82.1 82.2 82.4 82.4 82.4 82.4 82.4 82.5 84.8 8000 84.9 84.9 84.9 84.9 84.9 84.9 85.0 85.2 85.2 85.2 85.2 85.2 85.3 GF 84.1 84.6 86.9 86.9 86.9 87.2 7000 86.0 86.6 86.7 86.9 86.9 86.9 87.0 87.2 87.2 87.2 87.2 87.3 GE 90.1 GE 6000 89.0 89.6 89.7 89.8 89.8 89.8 89.8 8.96 89.8 90.0 90.1 90.1 90.1 90.1 90.3 Œ 5000 91.3 91.8 92.0 92.2 92.5 92.5 92.5 92.5 92.5 92.7 92.8 92.8 92.8 92.8 92.8 92.9 93.8 4500 92.8 93.5 93.5 93.5 93.5 93.7 93.8 93.8 93.8 93.8 GE 92.2 92.9 93.2 93.5 93.9 94.4 95.2 4000 95.1 95.3 95.3 95.3 GE 93.8 94.5 94.8 95.1 95.1 95.1 95.1 95.2 95.3 95.3 95.5 95.6 95.3 95.9 95.9 95.9 96.2 96.2 96.2 3500 94.6 95.9 95.9 96.1 96.2 96.2 96.3 Œ 97.0 3000 95.2 95.9 96.5 96.0 97.0 97.0 97.0 97.0 GΕ 95.8 96.2 96.5 96.8 96.8 96.8 96.5 96.8 GE 2500 95.2 95.8 95.9 96.2 96.5 96.8 96.8 96.9 97.0 97.0 97.0 97.0 97.0 97.2 96.9 97.2 97.2 97.2 97.7 97.7 97.5 97.5 97.5 97.6 97.7 97.7 97.7 GΕ 2000 95.8 96.3 96.6 97.9 1800 96.6 96.9 97.5 97.5 97.7 97.7 97.7 97.9 98.0 98.0 98.0 98.0 98.0 98.2 GΕ 96.1 97.2 98.3 98.4 98.4 98.4 98.4 98.4 1500 96.1 96.6 97.6 97.9 97.9 98.2 98.2 98.2 98.6 GE Œ 1200 96.6 97.2 97.6 97.9 97.9 98.2 98.2 98.2 98.3 98.4 98.4 98.4 98.4 98.4 98.6 96.1 97.6 GE 1000 96.6 97.2 97.9 97.9 98.2 98.2 98.2 98.3 98.4 98.4 98.4 98.4 98.4 98.6 96.1 97.9 98.2 98.2 98.4 98.6 GE 900 96.1 96.6 97.2 97.6 97.9 98.2 98.3 98.4 98.4 98.ó 98.7 98.2 98.3 98.4 98.4 98.7 GΕ 800 96.1 96.6 97.2 97.6 97.9 97.9 98.2 98.2 98.4 98.7 98.9 CE 700 96.1 96.6 97.2 97.6 97.9 97.9 98.6 98.6 98.6 98.7 99.0 99.0 99.0 99.3 99.3 99.4 99.6 97.2 97.9 98.6 99.0 99.0 99.3 99.ò GE 96.1 96.6 97.6 97.9 98.6 98.6 600 97.2 97.6 97.9 97.9 98.7 99.0 99.0 99.4 99.7 99.7 99.9 GΕ 500 96.1 96.6 98.6 98.6 98.6 98.6 98.7 99.0 99.4 99.7 99.7 99.9 GΕ 400 96.1 96.6 97.2 97.6 97.9 97.9 98.6 98.6 99.0 96.6 99.0 90.4 99,7 99.7 GE 300 96.1 97.2 97.6 97.9 97.9 98.6 98.6 98.6 98.7 99.0 99.9 97.2 99.0 97.9 99.0 99.4 99.7 99.7 99.9 GΕ 200 96.1 96.6 97.6 97.9 98.6 98.6 98.5 98.7 97.2 97.6 97.9 97.9 98.6 98.6 98.6 98.7 99.0 99.0 99.7 99.9 96.6 GF 190 96.1

TOTAL NUMBER OF OBSERVATIONS 709

96.6 97.2 97.6 97.9 97.9 98.6

000 | 96.1

D - 2 - 92

98.6 98.6 98.7

99.0 99.0 99.4

99.7 99.7 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: NOV HOURS: 06-08

LST TO UTC: + 7 CEILING VISIBILITY IN STATUTE MILES 2 1/2 GE G€ GE GE 1 14 GF GF GF GF GF GE CE CE GE GF 1 1/2 1 1/4 FEET 6 5 4 3 2 1 3/4 5/8 1/2 3/8 1/4 0 63.8 63.9 63.9 63.9 64.0 NO CEIL 63.1 63.1 63.4 63.6 63.8 64.0 64.0 64.1 64.2 64.2 64.4 GE 20000 65.6 65.6 65.9 66.1 66.5 66.3 66.3 66.4 66.4 66.4 66.5 66.5 66.6 66.7 66.7 66.9 GE 18000 65.8 65.8 66.1 66.3 66.4 66.4 66.6 66.6 66.6 66.7 66.7 66.7 66.7 66.9 67.0 66.9 GE 16000 66.4 66.7 66.8 66.8 67.0 67.0 67.0 67.0 67.0 67.0 67.1 67.3 66.1 66.1 67.3 67.4 GE 14000 67.9 67.9 68.2 68.4 68.6 58.6 68.7 68.7 68.7 68.8 68.8 68.8 68.9 69.0 69.2 69.0 GE 12000 72.0 72.2 72.2 72.3 72.3 72.3 72.4 72.4 72.4 72.5 71.5 71.5 71.8 72.6 72.8 76.4 GE 10000 75.5 75.5 75.8 76.0 76.2 76.2 76.3 76.3 76.3 76.4 76.4 76.6 76.7 76.7 76.9 GE 9000 77.0 77.0 77.3 77.6 77.7 77.7 77.9 77.9 77.9 77.9 77.9 77.9 78.1 78.2 78.2 73.4 GE 8000 80.0 80.0 80.3 80.6 80.7 80.7 80.9 80.9 80.9 81.0 81.0 81.0 81.1 81.3 81.3 81.4 7000 84.7 84.8 Œ 84.0 84.0 84.3 84.5 84.7 84.8 84.8 84.9 84.9 84 0 85.0 85.2 85.2 85.3 88.6 88.7 GE 6000 88.1 88.1 88.4 88.7 88.9 88.9 88.9 89.0 89.0 89.0 89.1 89.3 89.3 89.4 92.8 GE 5000 91.9 91.9 92.2 92.4 92.7 92.7 92.8 92.8 92.9 92.9 92.9 93.0 93.2 93.2 93.3 92.8 93.4 93.4 92.5 93.0 93.3 93.3 93.5 93.5 93.8 GE 4500 92.5 93.4 93.5 93.7 94.0 93.8 95.0 95.5 95.5 95.6 95.6 95.7 95.7 GΕ 4000 94.5 94.5 94.8 95.6 95.7 95.8 96.0 96.0 96.1 GΕ 3500 94.9 94.9 95.2 95.5 95.9 95.9 96.1 96.1 96.1 96.1 96.1 96.1 96.3 96.4 96.4 96.6 97.1 97.5 3000 95.8 95.8 96.9 96.9 97.1 97.1 97.2 97.4 96.1 96.7 96.9 2500 95.8 96.7 96.9 96.9 96.9 97.1 97.1 97.1 97.2 97.4 97.4 GE 95.8 96.1 96.3 96.7 97.4 97.4 97.5 97.1 97.1 97.4 97.5 97.5 GΕ 2000 95.9 95.9 96.2 96.7 97.7 97.8 97.8 OR n 97.6 GE 1800 96.1 96.1 96.4 96.9 97.4 97.4 97.6 97.6 97.7 97.7 07 7 97.9 92.0 98.0 98.2 96.4 1500 96.4 96.8 97.4 98.1 98.1 98.3 98.3 98.3 98.5 98.5 98.5 98.5 98.8 98.8 98.9 GE 96.4 97.4 98.1 98.1 98.3 98.3 98.3 98.5 98.5 98.5 98.6 98.8 98.8 98.9 GE 1200 96.4 96.8 1000 96.4 96.9 97.6 98.3 98.3 98.7 98.7 98.7 98.9 98.9 98.9 99.1 99.2 99.2 99.4 GE 96.4 97.6 98.9 99.2 98.3 98.7 99.2 GE 900 96.4 96.4 96.9 98.3 98.7 98.7 98.9 98.9 99.1 99.4 98.7 98.9 96.9 98.3 98.7 98.7 98.9 98.9 99.1 99.3 99.5 800 96.4 96.4 97.6 98.3 99.3 GΕ 99.4 99.4 700 96.4 96.4 96.9 97.6 98.3 98.3 98.7 98.7 98.7 98.9 98.9 98.9 99.2 99.5 GE 96.4 96.4 96.9 97.6 98.3 98.3 98.7 98.7 98.7 98.9 98.9 98.9 99.2 GE 600 97.6 99.0 99.4 99.6 GE 500 96.4 96.4 96.9 98.3 98.3 98.7 98.7 98.7 98.9 99.0 99.6 99.8 98.3 99.6 GE 400 96.4 96.4 96.9 97.6 98.3 98.7 98.7 98.7 98.9 99.0 99.0 99.4 98.6 99.9 98.3 98.8 99.0 99.1 99.1 99.5 99.7 300 96.4 96.4 96.9 97.6 98.3 98.8 98.8 99.7 100.0 GE 97.6 98.3 98.8 98.8 99.0 99.1 99.5 96.4 96.9 98.3 98.8 99.1 99.7 100.0 GF 200 96.4 99.7 GE 100 96.4 96.4 96.9 97.6 98.3 98.3 98.8 98.8 98.8 99.0 99.1 99.1 99.5 99.7 99.7 100.0 98.8 98.8 98.8 000 96.4 96.4 96.9 97.6 98.3 98.3 99.0 99.1 99.1 29.5 99.7 99.7 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOUSELY OBSERVATIONS

STATICM NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: NOV HOURS: 09-11

				LSI	TO UT	C: + 7					MON 1	H: HOV	HOUR	S: 09-1	17		
EIL	I NG	•••••	•••••	•••••	• • • • • • •		VIEIBI	LITY II	STATU	E MILES			••••	•••••	••••	•••••	•••••
IN FEET	. 1	GE 7	GE 6	GE 5	GE &	GE 3	GE 2 1/2	GE 2	GE	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE C
ree	' •••••				 .												
60 CI	EIL	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.5	61.6	61.8
E 20	0000	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.8	63.9	64.1	64.2
	8000	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.1	64.2	64.4	64.5
E 16	6000]	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	65.1	65.2	65.4
	400a j	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.2	67.3	67.
E 12	2000	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.4	71.5	71.
E 16	0000	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.1	75.2	75.4	75.
	9000 j	76.2	76.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.7	76.8	77.
	5000	78.8	75.8	78.8	78.9	78.5	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.3	79.4	79.
	7000	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.3	82.4	82.6	82.
E (5000	86.9	86.9	56.9	ã 6. 7	86.9	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.2	87.3	87.5	87.
	5000	90.9	90.9	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91,1	91.1	91.1	91.2	91.4	91.5	91.
	4500	91.2	91.2	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.7	91.8	92,
	6000	92.8	92.8	92.8	92.8	92.9	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.3	93.4	93.
	3500	93.9	93.9	94,1	94.3	94.5	94.5	94.5	94.7	94.7	94.8	94.8	94.8	94.8	95.0	95.1	95.
E :	3000	95.0	95.0	95.1	95.4	95.5	95.5	95.6	95.7	95.7	95.9	95.9	95.9	96.0	96.2	96.3	96.
	2500	95.6	95.6	95.7	95.9	96.1	96.1	96.2	96.3	96.3	96.5	96.5	96.5	96.6	96.8	96.9	97.
	2000	95.8	95.8	95.9	96.3	96.5	96.5	96.7	96.8	96.8	97.1	97.1	97.1	97.2	97.3	97.5	97.
	1800	95.8	95.8	95.9	96.3	96.5	96.5	96.8	96.9	96.9	97.2	97.2	97.2	97.3	97.4	97.6	97.
	1500	96.1	96.1	96.2	96.6	96.8	96.8	97.6	97.2	97.2	97.5	97.5	97.5	97.6	97.8	97.9	98.
E	1200	96.1	96.1	96.2	96.6	97.0	97.0	97.3	97.4	97.4	97.7	97.7	97.7	97.9	98.0	98.2	98.
	1000	96.2	96.2	96.4	96.8	97.3	97.3	97.7	97.9	97.9	98.2	98.2	98.2	98.6	98.7	98.9	99.
Œ	900	96.2	96.2	96.4	96.8	97.3	97.3	97.8	97.9	97.9	98.3	98.3	98.3	98.7	98.8	99.0	99.
Æ	800	96.2	96.2	96.4	96.8	97.3	97.3	97.8	97.9	97.9	98.3	98.3	98.3	98.7	98.8	99.0	99.
Æ	700	96.2	96.2	95.4	96.8	97.3	97.3	97.8	97.9	97.9	98.3	98.3	98.3	98.7	98.8	99.0	99.
iΕ	600	96.2	96.2	96.4	96.8	97.5	97.5	97.9	96.1	98.1	98.5	98.5	98.5	98.8	99.0	99.1	99.
Œ	500	96.2	96.2	96.4	96.8	97.5	97.5	97.9	98.1	98.1	98.5	98.5	98.5	99.0	99.1	99.3	99.
ξĒ	400	96.2	96.2	96.4	96.8	97.6	97.6	98.1	98.2	98.2	98.6	98.6	98.6	99.1	99.3	99.4	90.
Æ	300		96.2	96.4	96.8	97.6	97.6	98.1	98.2	98.2	98.6	98.6	98.6	99.1	99.3	99.5	99.
je	500		96.2	96.4	96.8	97.6	97.6	98.1	98.2	98.2	98.6	98.6	98.6	99.1	99.3	99.5	99.
Æ	100	96.2	96.2	96.4	96.8	97.6	97.6	98.1	98.2	98.2	98.6	98.6	98.6	99.1	99.3	99.5	100.
GΕ	000	96.2	96.2	96.4	96.8	97.6	97.6	98.1	98.2	98.2	98.6	98.6	98.6	99.1	99.3	99.5	100.

TOTAL HUMBER OF OBSERVATIONS 1355

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0 - 2 - 94

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGNAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: NOV HOURS: 12-14 CEILING VISIBILITY IN STATUTE MILES G£ IN GΕ GE GE GE GE GE GE GΕ GF GE FEET 7 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 0 GE 20000 67.8 67.8 67.9 67.9 67.9 67.9 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0 48.0 68.1 68.1 68.2 68.2 GE 18000 68.0 68.0 68.1 68.1 68.2 68.2 68.2 68.2 68.2 68.2 68.2 68.2 GE 16000 69.3 69.4 69.1 69.1 69.3 69.3 69.4 69.4 69.4 69.3 69.4 69.4 69.4 69.4 69.4 69.4 GE 14000 71.2 71,2 71.3 71.3 71.3 71.3 71.4 71.4 71.4 71.4 71.4 71.4 71.4 71.4 71.4 71.4 GE 12000 74.4 74.0 74.0 74.3 74.3 74.4 74.4 74.4 74.4 74.4 74.4 74.4 77.5 GE 10000 77.2 77.5 77.6 77.6 77.6 77.2 77.5 77.5 77.6 77.6 77.6 77.6 77.6 77.6 77.6 9000 78.7 78.7 79.0 79.0 79.0 79.0 79.1 79.1 79.1 79.1 79.1 79.1 79.1 GE 79.1 79.1 79.1 ĠΕ 8000 81.3 81.3 81.6 81.6 81.6 81.6 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 7000 83.5 83.5 83.6 83.6 GE 83.2 83.2 83.5 83.5 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 87.8 87.9 GE 6000 87.5 87.5 87.8 87.8 87.8 87.9 87.9 87.9 87.0 87.0 87.9 87.9 87.9 87.9 5000 90.1 90.1 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.5 90.7 90.7 90.7 90.7 90.7 91.5 91.5 91.5 91.6 91.6 GΕ 4500 90.9 90.9 91.3 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 GE 4000 92.8 92.8 93.3 93.5 93.5 73.5 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.9 94.8 94.8 3500 93.9 94.4 94.7 94.7 94.7 94.8 94.8 94.8 94.8 GF 94.8 94.8 94.8 94.8 95.7 96.7 96.8 GE 3000 95.7 96.4 96.7 96.7 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 2500 96.0 97.1 97.1 97.1 97.2 97.2 Œ 96.0 96.8 97.1 97.2 97.2 97.2 97.2 97.2 97.2 97.2 2000 96.7 96.7 97.4 97.9 97.9 97.9 98.0 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 GE 97.9 98.1 98.1 97.4 97.9 98.0 98.1 98.1 98.1 GĒ 1800 96.7 96.7 97.0 98.1 QR 1 98.1 98.1 98.3 98.3 GΕ 1500 96.9 96.9 97.7 98.1 98.1 98.1 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 1200 97.1 97.1 97.9 98.4 98.4 98.4 98.6 98.6 98.6 98.7 98.9 98.9 98.9 98.9 98.9 98.9 1000 97.2 97.2 98.0 98.6 98.6 98.6 98.7 98.8 98.8 98.9 99.1 99.2 99.2 99.2 99.2 99.2 GE 97.3 98.6 98.6 98.6 98.8 98.9 98.9 99.2 99.2 99.2 99.2 99.2 98.1 99.0 99.2 GE 0001 97.3 98.9 99.2 99.3 98.6 98.8 99.1 29.3 99.3 GĒ 800 97.3 97.3 98.1 98.6 98.6 98.9 99.3 99.3 GE 700 97.3 97.3 98.1 98.6 98.6 98.6 98.8 98.9 98.9 99.1 99.2 99.3 99.3 99.3 99.3 99.3 97.3 98.9 99.0 99.1 99.5 99.5 99.5 99.8 Œ 600 97.3 95.1 98.6 98.0 90 3 99.5 99 R 97.3 99.1 99.3 99.5 500 98.6 98.9 98.9 99.0 99.1 00.5 00.5 99.8 97.3 98.1 99.5 90.8 GE GE 400 97.3 97.3 98.1 98.6 98.9 98.9 99.0 99.1 99.1 99.3 99.5 99.5 99.5 99.5 99.8 99.9 99.0 GE 300 97.3 97.3 98.1 98.6 98.9 98.9 99.1 99.1 99.3 99.5 99.5 99.5 99.5 99.8 99.9 97.3 200 97.3 98.1 98.6 98.9 98.9 99.1 99.2 99.2 99.4 99.5 99.6 99.6 99.6 99.9 100.0 GF 97.3 99.1 99.2 98.9 99.4 99.5 99.6 GE 1001 97.3 98.1 98.6 98.9 00 2 99.6 99.6 99.9 100.0 000 97.3 97.3 98.1 98.6 98.9 98.9 GE 99.1 99.2 99.2 99.4 99.5 99.6 99.6 99.6 99.9 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690119 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HONTH: NOV HOURS: 15-17 LST TO UTC: + 7 VISIBILITY IN STATUTE MILES CE IL ING GE GE GE GE 2 1/2 2 1 1/2 1 1/4 GE IM GΕ GE GE GE GE GE GE GE GE 1 1/2 1 1/4 1/2 1/4 n NO CEIL 63.3 63.3 63.3 63.4 63.6 63.6 63.6 63.6 63.6 63.6 63.6 63.6 63.6 63.6 63.6 63.6 GE 20000 65.9 65.9 65.9 66.0 66.2 66.2 66.2 66.2 66.2 66.2 66.2 66.2 66.2 66.2 56.2 GE 18000 66.0 66.0 66.0 66.1 66.3 66.3 66.3 66.3 66.3 66.3 66.3 66.3 66.3 66.3 66.3 66.3 67.2 67.5 67.5 67.5 GE 16000 67.2 67.2 67.3 67.5 67.5 67.5 67.5 67.5 67.5 67.5 67.5 67.5 69.5 69.8 69.8 69.8 69.8 69.8 69.8 GE 14000 69.5 69.5 69.6 69.8 69.8 69.8 69.8 69.8 69.8 GE 12000 75.1 75.1 75.4 75.4 75.4 75.4 78.0 78.2 78.2 GE 10000 77.9 78.2 78.2 78.2 78.2 77.9 77.9 78.2 78.2 78.2 78.2 78.2 78.2 GE 9000 79.7 79.7 79.7 79.8 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 83.0 83.0 83.0 83.0 83.0 83.0 GE 8000 82.7 82.7 82.7 82.8 83.0 83.0 83.0 83.0 83.0 83.0 85.6 85.6 85.6 85.3 85.4 85.6 85.6 GΕ 7000 85.3 85.3 85.6 85.6 85.6 85.6 85.6 85.6 85.6 60001 89.2 89.5 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.2 89.2 89.7 91.8 92.4 92.4 GE 5000 (91.8 91.8 92.2 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 93.2 93.2 92.7 93.0 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 GE 4500 92.7 92.7 93.2 93.2 4000 95.3 95.5 95.5 95.5 95.5 94.8 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 GE 94.8 94.9 95.8 96.4 GE 35001 95.7 95.7 96.2 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 97.2 97.8 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 GE 3000 97.2 97.4 98.0 98.0 98.0 98.0 98.3 GE 2500 97.5 97.5 97.6 98.1 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.6 99.1 99.2 99.2 99.3 99.3 99.3 59.3 99.3 GE 2000 98.3 98.4 99.3 99.3 99.3 99.3 99.3 99.2 1800 98.3 98.6 99.1 99.2 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 98.4 GÉ 99.3 99.4 99.4 99.4 99.5 GE 1500 98.3 98.4 98.7 99.2 99.3 99.4 99.5 99.5 99.5 99.5 99.5 GE 1200 98.3 98.4 98.7 99.2 99.3 99.3 99.4 99.4 99.4 99.4 99.5 99.5 99.5 99.5 99.3 99.4 99.2 99.4 99.4 99.5 99.5 99.5 99.3 99.4 99.5 GF 10001 98.3 98.4 98.7 99.5 99.5 99.2 99.4 99.4 99.5 99.5 GE 000 98.3 98.4 98.7 99.3 99.3 99.4 99.4 99.5 99.5 99.5 99.5 99.6 800 98.3 98.8 99.2 99.4 99.4 99.5 99.5 99.5 99.5 99.6 99.6 99.6 99.6 99.6 GE 98.4 99.5 99.5 99.6 7G0 i 98.3 98.4 98.8 99.2 99.4 79.4 99.5 99.5 99.6 99.6 99.6 99.5 99.6 GE 99.7 99.8 99.9 98.8 99.2 99.7 99.8 99.8 GE 600 i 98.3 98.4 99.8 99.9 99.9

TOTAL NUMBER OF OBSERVATIONS 1063

98.4

98.4

98.4

98.4

98.4

98.8

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98.8

98.8

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99.2

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PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: DUGWAY PROVING GROUNDS UT STATION NUMBER: 690110 PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: MOV HOURS: 18-20 VISIBILITY IN STATUTE MILES CEILING G.F GE IN GE GE ŒF GE Œ GE CF GF GE GE GE GE GE GE 2 1/2 2 1 1/4 j 7 5 4 3 1 3/4 5/8 1/2 3/8 1/4 0 FEET 6 60.8 2.8ئ NO CELL | 62.7 62.7 62.7 62.8 62.8 62.8 62.8 62.8 62.8 62.8 62.8 62.8 62.9 62.9 62.9 62.7 62.8 62.8 62.8 62.8 62.9 GE 20000 62.7 62.7 62.8 62.8 62.8 62.8 62.8 62.8 62.8 GE 18000 62.7 62.7 62.7 62.8 62.8 62.8 62.8 62.8 8.56 8.56 8.56 62.8 62.8 62.8 62.9 62.9 GE 10000 63.7 63.7 63.7 63.0 63.8 63.8 63.8 63.8 63.8 63.8 63.8 63.8 63.8 63.8 64.0 64.0 66.9 66.9 66.9 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.1 67.2 67.2 GE 14000 67.1 67.1 75.2 75.2 75.2 75.2 75.2 75.2 75.3 75.0 75.0 75.0 75.2 75.2 75.2 75.3 GE 12000 75.2 75.2 GE 10000 78.8 78.8 78.8 78.9 78.9 78.9 78.9 78.9 78.9 78.9 78.9 78.9 78.9 78.9 79.0 79.0 9600 79.8 79.8 79.8 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 80.1 80.1 ſΈ 83.1 83.1 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.4 83.4 GE 8000 85.1 84.8 84.8 84.8 7000 84.8 84.8 84.8 84.8 RA Q 84 9 GΕ 84.7 84.7 84.7 84.8 84.8 84.8 84.8 88.8 GΕ 6000 88.5 88.5 88.7 88.8 85.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.9 88.9 91.8 91.8 91.8 91.9 GE 5000 i 91.5 91.5 V1.6 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.9 92.7 92.7 92.7 92.7 92.7 92.7 22.7 92.7 92.8 92.8 92.5 92.7 92./ 92 7 4500 92.3 GE 92.3 94.0 94.0 94.0 94.1 GE 4000 93.6 93.6 93.8 94.0 94.0 94.Ĉ 94.0 94.0 94.0 94.0 94.0 94 - 1 95.6 95.6 95.6 3500 95.2 95.5 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.8 95.8 ĢΕ \$5.2 97.3 97.2 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.4 97.4 3000 90.9 96.9 97,4 97.4 97.6 97.0 97.0 97.3 97.4 97.4 97.4 97.4 97.4 97.4 97 4 97.4 97.6 GF 25001 97.9 98.1 98.1 98.1 98.1 98.1 98.1 98.2 98.2 GE 2000 i 97.6 97.5 98.1 98.1 98.1 98.1 98.1 98.1 98.1 95.1 98.1 98.1 98,1 GŁ 1800 97.6 97.6 97.9 98.1 98.1 98.1 96.1 98.1 98.2 95.2 GE 1500 97.8 97.8 98.3 78.6 98.5 98.6 98.6 98.6 98.6 98.6 98.6 98.6 93.6 98.6 98.7 98.7 GE 1200 98.1 98.1 98.6 98.8 98.8 98.8 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.1 99.1 98.1 99.1 95.4 99.4 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.6 99.6 1000 98.1 99.4 GF 99 é 99.5 99.4 99.4 99.4 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.6 99.1 900 98.1 98.1 GE 99.5 99.5 99.6 99.6 99.6 99.6 99.6 99.6 99.7 800 98.1 99.2 99.5 99.6 99.6 00 7 98.1 99.2 99.6 99.6 99.7 99.7 99.5 99.5 99.5 99.6 99.6 99.6 99.6 99.6 99.6 ĢΕ 700 98.1 98.1 99.6 99.6 99.7 99.7 99.7 90.9 6001 98.1 98.1 99.2 GE 99.6 99.7 99.7 99.7 99.7 99.9 99.2 99.5 99.6 99.7 99 7 99.7 99.7 GE 5001 98.1 98.1 400 98.1 99.7 99.7 99.7 99.7 99.7 00 0 98.1 99.2 69.5 99.6 99.6 99.7 99.7 99.7 100.0 GE 99.6 99.6 99.7 99.7 00 7 99.2 99.5 29.7 99.7 99.7 99.7 99.7 00 0 100.0 ĿΕ 300 j 98.1 98.1 99.7 99.7 99.2 99.5 99.6 99.6 99.7 69.7 99.7 99.7 99.7 99.7 99.9 100.0 200 98.1 98.1 GE 99.6 99.6 99.7 99.7 99.7 99.7 99.7 00 7 99.7 99.9 100.0 1001 98.1 00 2 00 5 GE 98.1 99.7 99.2 99.5 99.6 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99 9 100 n 000| 98.1 98.1

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HOURS: 21-23

				LS	TO UT	C: + 7					MONT	TH: NOV	HOUR	\$: 21-2	23		
CE I	 LING	• • • • • •	•••••		• • • • • •	• • • • • • •	VISIBI	LITY I	N STATUI	E MILES	 S	• • • • • •	• • • • • • •	• • • • • •	• • • • • • • •	• • • • • •	•••••
11		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FE		7	6	5	4	3	2 1/2	2		1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
	•••••						•••••	•••••		•••••						• • • • • •	
NO !	CEIL	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
-																	
	20000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
	18000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
	16000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
	14000		69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE	12000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.C	74.0	74.0
GΕ	10000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE	9000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE	8000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE	7000	84.6	34.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE	6000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE	50001	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
ĞΕ	4500	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
ĞE	4000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE	3500	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE	3000		95.7	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	76.3	96.3	96.3	96.3	96.3	96.3
GE	2500	95.9	95.9	96.0	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE	2000	96.7	96.7	97.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE	1600	96.7	96.7	97.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE	1500		96.8	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	1200		96.8	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9
GE	1000	97.1	97.1	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE	900	97.1	97.1	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE	800		97.5	98.4	98.4	98.9	98.9	98.9	98.9	98.9	99.0	99.2	99.4	99.4	99.4	99.4	99.4
GE	700	97.5	97.5	98.4	98.4	98.9	98.9	98.9	98.9	98.9	99.0	99.2	99.4	99.5	99.5	99.5	99.5
GE	600	97.5	97.5	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.5	99.7	99.7	99.7	99.7
CE	E O O	97.5	07 F	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.5	99.7	99.8	99.8	99.8
GE	,		97.5			99.0	99.0	99.0						99.7			100.0
GE	400		97.5	98.4	98.4	99.0		99.0	99.0	99.0	99.2	99.4	99.5		99.8	99.8	100.0
GE	300	97.5 97.5	97.5 97.5	98.4 98.4	98.4 98.4	99.0	99.0 99.0	99.0	99.0 99.0	99.0 99.0	99.2 99.2	99.4 99.4	99.5 99.5	99.7 99.7	99.8 99.8	99.8	100.0
GE					98.4	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.5	99.7	99.8		100.0
GE	100	97.5 	97.5	98.4	¥0.4	YY. U	9 V .U	77.0	YY. U	77 U	₩.2	77.4	77.3	99.1	99.0	99.8	100.0
GE	000	97.5	97.5	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.5	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 630

D - 2 · 98

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: HAY 60 - APR 90 HONTH: NOV HOURS: ALL

			Lai	וזט טזו	6: ₹ ?					MONT	H: NOV	HOURS:				
CEILING	• • • • • •	• • • • • •	•••••	• • • • • • •	• • • • • • •	VISIB:	ITY IN	STATUT	E MILES	• • • • • •	• • • • • • •		•••••	•••••	• • • • • • •	
IN FEET	GE 7	GE 6	GĒ S	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.5	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	65 .0	65.0	65.1
GE 20000	66.2	66.3	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.7	66.7	66.8
GE 18000	66.3	66.4	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.9
GE 16900	67.1	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.6	67.6	67.7
GE 14000	69.3	69.4	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.9
GE 12000	73.6	73.7	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.2	74.2
GE 10000	77.4	77.5	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9	78.0	78.0
GE 9000	78.9	79.0	79.1	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.5	79.5
GE 8000	81.6	81.7	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.2
GE 7000	84.1	84.1	84.2	84.3	84.4	84.4	84.4	94.4	84.4	84.5	84.5	84.5	84.5	84.6	84.6	84.7
GE 6000	88.0	88.1	88.2	88.3	88.4	88.4	88.4	68.4	88.4	88.5	88.5	88.5	88.5	88 .6	88.6	88.7
GF. 5000	91.2	91.2	91.4	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.9	91.9
GE 4500	92.0	92.0	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.7	92.7	92.8
GE 4000	93.6	93.7	93.9	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.5
GE 3500	94.6	94.7	94.9	95.1	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.6	95.6
GE 3000	95.9	95.9	96.2	96.4	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.9	96.9	97.0	97.0
GE 2500	96.1	96.2	96.4	96.7	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.3
GE 2000	96.6	96.7	97.1	97.4	97.6	97.6	97.8	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.1	98.1
GE 1800	96.7	96.8	97.1	97.5	97.7	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.2
GE 150C	96.9	97.0	97.4	97.8	98.0	98.0	98.2	98.3	98.3	98.4	98.	98.4	98.4	98.5	98.5	98.6
GE 1200	97.0	97.0	97.5	97.9	98.1	98.1	98.3	98.4	98.4	98.5	98.6	98.6	98.6	98.7	98.7	98.8
GE 1000	97.0	97.1	97.7	98.1	98.4	98.4	98.7	98.7	98.7	98.9	98.9	99.0	99.0	99.1	99.1	99.2
GE 900	97.1	97.1	97.7	98.1	98.4	98.4	98.7	98.7	98.7	98.9	99.0	99.0	99.1	99.1	99.2	99.2
GE 800	97.1	97.1	97.7	98.1	98.5	98.5	98.7	98.8	98.3	99.0	99.0	99.1	99.1	99.2	99.3	99.3
GE 700	97.1	97.1	97.7	98.1	98.5	98.5	98.8	98.8	98.8	99.0	99.1	99.1	99.2	99.3	99.4	99.4
GE 600	97.1	97.1	97.7	98.1	98.6	98.6	98.9	99.0	99.0	99.1	99.2	99.2	99.4	99.5	99.6	99.6
GE 500	97.1	97.1	97.7	98.1	98.6	98.6	98,9	99.0	99.0	99.1	99.2	99.3	99.5	99.6	99.7	99.7
GE 400	97.1	97.1	97.7	98.1	98.6	98.6	98.9	99.0	99.0	99.2	99.3	99.3	99.5	99.7	99.8	99.9
GE 300	97.1	97.1	97.7	98.1	98.6	98.6	99.0	99.0	99.0	99.2	99.3	99.3	99.5	99.7	99.8	99.9
GE 200	97.1	97.1	97.7	98.1	98.6	98.6	99.0	99.G	99.0	99.2	99.3	99.3	99.5	99.7	99.8	99.9
GE 100	97.1	97.1	97.7	98.1	98.6	98.6	99.0	99.0	99.0	99.2	99.3	99.3	99.5	99.7	99.8	100.0
GE 000	97.1	97.1	97.7	98.1	98.6	98.6	99.0	99.0	99.0	99.2	99.3	99.3	99.5	99.7	99.8	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION W/MBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: DEC HOURS: 00-02

UIAI	1.011	, AWEN.	0,0,,0	LS1	TO UT	: + 7			<u> </u>	•	MONT	H: DEC	HOUR	s: 00 · 0	2	. ,0	
		•••••	•••••		• • • • • •						• • • • • •	••••	• • • • • •	• • • • • •	· · · · · · ·	• • • • • •	• • • • •
CEIL		GE	GE	GΕ	GE	GE	CE VIZIBI	GE	N STATUT GE	GE MILES	GE	GE	GE	GE	GE	GE	GE
FEE		7	6	5	4	3	2 1/2	2		1 1/4	1	3/4	5/8	1/2	3/8	1/4	GE D
7 E E	- 1	•	0	,	•	,	2 1/2	•	1 1/2	1 1/4		3/4	5/6	1/2	3/0	1/4	U
••••			•••••	• • • • • •		• • • • • •	• • • • • • •	• • • • • •	•••••	•••••	• • • • • •	• • • • • • •	••••	•••••	• • • • • • •	• • • • • •	• • • • • •
NO C	EIL	59.1	59.3	59.3	59.8	50.5	60.5	61.3	61.4	61.4	61.9	62.2	62.4	62.7	62.7	63.0	63.3
GE 2	20000	59.1	59.3	59.3	59.8	60.5	60.5	61.3	61.4	61.4	61.9	62.2	62.4	62.7	62.7	63.0	63.3
GE 1	18000	59.1	59.3	59.3	59.8	60.5	60.5	61.3	61.4	61.4	61.9	62.2	62.4	62.7	62.7	63.0	63.3
GE 1	16000	59.1	59.3	59.3	59.8	60.5	60.5	61.3	61.4	61.4	61.9	62.2	62.4	62.7	62.7	63.0	63.3
GE 1	14000	59.3	59.4	59.4	59.9	60.7	60.7	61.4	61.6	61.6	62.1	62.4	62.5	62.8	8.56	63.1	63.4
GE 1	12000	61.9	62.1	62.1	62.5	63.3	63.3	64.1	64.2	64.2	64.7	65.0	65.1	65.4	65.4	65.7	66.1
	10000	64.7	65.0	65.1	65.6	66.4	66.4	67.4	67.6	67.6	68.0	68.5	68.7	69.0	69.0	69.3	69.6
	9000	65.6	65.9	66.1	66.5	67.3	67.3	68.4	68.5	68.5	69.0	69.4	69.6	69.9	69.9	70.2	70.5
	8000	67.4	67.7	67.9	68.4	69.1	69.1	70.2	70.4	70.4	70.8	71.3	71.4	71.7	71.7	72.0	72.4
	7000		70.8	71.0	71.4	72.2	72.2	73.3	73.4	73.4	73.9	74.3	74.5	74.8	74.8	75.1	75.4
ĢĒ	6000	72.8	73.1	73.3	73.7	74.5	74.5	75.7	75.9	75.9	76.7	77.1	77.3	77.6	77.6	77.9	78.2
GE	5000	76.2	76.5	76.7	77.1	77.9	77.9	79.3	79.7	79.7	80.5	81.0	81.1	81.4	81.4	81.7	82.0
GE	4500	76.7	77.0	77.1	77.6	78.3	78.3	79.7	80.2	80.2	81.0	81.4	81.6	81.9	81.9	82.2	82.5
GZ	4000	78.2	7b.3	79.0	79.4	80.3	80.3	81.7	32.2	82.2	82.9	83.4	83.6	83.9	83.9	84.2	84.5
GE	3500	78.5	79.1	79.3	79.7	80.5	80.6	82.0	82.5	8≳.5	83.3	83.7	83.9	84.2	84.2	84.5	84.8
GE	3000	79.9	80.8	81.0	81.4	82.3	82.3	83.7	84.2	84.2	84.9	85.4	85.6	85.9	85.9	86.2	86.5
GE	2500	80.6	81.7	81.9	82.3	83.3	83.3	84.8	85.3	85.3	86.0	80.5	86.6	86.9	86.9	87.3	87.6
GE	2000	81.3	82.5	83.1	83.6	84.5	84.5	86.0	86.5	86.5	87.3	87.9	88.0	88.3	88.3	88.6	88.9
GE	1800	81.3	82.5	83.1	83.6	84.5	84.5	86.0	86.5	86.5	87.3	87.9	88.0	88.3	88.3	88.6	88.9
GE	1500	82.3	84.0	84.8	85.3	86.2	86.3	88.2	88.8	88.8	89.6	90.2	90.3	90.6	90.6	90.9	91.2
GE	1200	82.6	84.8	86.2	86.6	87.6	87.7	89.6	40.2	90.2	90.9	91.6	91.7	92.0	92.0	92.3	92.6
GE	1000	82.6	84.8	86.5	86.9	87.9	88.0	90.2	90.8	90.8	91.7	92.3	92.5	92.9	92.9	93.2	93.5
GΕ	900	82.6	84.8	86.5	86.9	87.9	88.0	90.2	90.8	90.8	91.7	92.3	92.5	92.9	92.9	93.2	93.5
GE	800	82.6	84.8	86.5	86.9	87.9	88.0	90.2	90.8	90.8	91.7	92.5	92.6	93.2	93.2	93.5	93.9
GE	700	82.6	84.8	86.6	87.î	88.0	88.2	90.3	90.9	90.9	91.9	92.6	92.8	93.4	93.4	93.9	94.2
GE	600	82.6	85.3	87.1	87.6	A8 .5	88.6	90.9	91.6	91.6	92.6	93.4	93.5	94.2	94.2	94.6	95.1
GE		82.6	85.3	87.1	87.6	88.5	88.6	90.9	91.6	91.6	92.9	93.7	93.9	94.5	94.5	94.9	95.4
GE	400		85.3	87.1	87.6	88.5	88.6	90.9	91.6	91.6	92.9	94.2	94.3	94.9	94.9	95.9	97.2
GE	300		85.3	87.1	87.6	88.5	88.6	90.9	91.6	91.6	92.9	94.3	94.5	95.2	95.2	96.2	98.2
GE	200		85.3	87.1	87.6	8.5	88.6	90.9	91.6	91.6	92.9	94.3	94.5	95.5	95.5	96.5	98.5
GE	100	82.6	85.3	87.1	87.6	88.5	88.6	90.9	91.6	91.6	92.9	94.3	94.5	95.5	95.7	96.5	100.0
GE	000	82.6	85.3	87.1	87.6	88.5	88.6	90.9	91.6	91.6	92.9	94.3	94.5	95 5	95.7	96.6	100.0
• • •	• • • • •	• • • • •	• • • • • • •	• • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •		

TOTAL NUMBER OF OBSERVATIONS 651

D · 2 · 100

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 UST TO UTC: + 7 MONTH: DEC HOURS: 03-05

				LSI	TO UTO	:: + 7					MONT	H: DEC	HOURS	S: 03-05			
CEI	LING		•••••		•••••		VISIBIL	ITY IN	STATUT	E MILES	•••••	• • • • • • •	•••••	· · · · • • • •	• • • • • • •	• • • • • •	• • • • •
	H	GE	GE	GE	GE	G€	GE	GE	GE	GE	GE	GE	GE	GĒ	GE	G€	GE
FE		7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
•••	• • • • •	· · · · · · · · · · · · · · · · · · ·	•••••	•••••			• • • • • • •	• • • • • •		• • • • • • •	•••••	• • • • • • •	•••••		••••••	•••••	
MQ	CEIL	57.8	57.8	58.1	58.4	59.6	59.9	60.1	60.4	60.4	61.0	61.2	61.5	61.6	61.6	61.6	62.7
GE	20000	57.8	57.8	58.1	58.4	59.6	59.9	60.1	60.4	60.4	61.0	61.2	61.5	61.6	61.6	61.6	62.7
	18000	57.8	57.8	58.1	58.4	59.6	59.9	60.1	60.4	60.4	61.0	61.2	61.5	61.6	61.6	61.6	62.7
	16000	57.8	57.8	58.1	58.4	59.6	59.9	60.1	60.4	60.4	61.0	61.2	61.5	61.6	61.6	61.6	62.7
	14000	58.0	\$8.0	58.2	58.5	59.7	60.0	60.3	60.5	60.5	61.1	61.4	61.6	61.8	61.8	61.8	62.9
LE.	12000	59.9	59.9	60.1	60.4	61.6	61.9	62.3	62.6	62.6	63.1	63.4	63.7	63.8	63.8	63.8	64.9
	10000		62.7	63.1	63.4	64.8	65.0	65.4	65.7	65.7	66.3	66.5	66.8	66.9	66.9	67.1	68.2
GE		63.5	63.7	64.1	64.4	65.7	66.0	66.4	66.7	66.7	67.2	67.5	67.8	67.9	67.9	68.0	69.1
GE	8000		64.9	65.3	65.7	67.1	67.3	67.9	68.3	68.3	68.8	69.1	69.4	69.5	69.5	69.7	70.7
G€	7000		67.5	68.0	68.4	69.8	70.1	70.6	71.0	71.0	71.6	71.8	72.1	72.2	72.2	72.4	73.5
GE	6000	71.4	71.7	72.2	72.7	74.0	74.3	74.8	75.2	75.2	75.8	76.1	76.3	76.5	76.5	76.6	77.7
GE	5000		76.1	76.7	77.1	78.5	78.8	79.3	79.7	79.7	80.3	80.5	80.8	81.0	81.0	81.1	82.2
GE	4500	76.2	76.5	77.1	77.6	78.9	79.2	79.7	80.1	80.1	80.7	81.0	81.2	81.4	81.4	81.5	82.6
GΕ	4000	76.6	76.9	77.7	78.1	79.5	79.7	80.3	80.7	80.7	81.2	81.5	81.8	81.9	81.9	82.0	83.1
GE	3500		77.6	78.4	78.8	80.1	80.4	81.1	81.5	81.5	82.0	82.3	82.6	82.7	82.7	82.9	83.9
GE	3000	78.8	79.7	80.5	81.1	82.4	82.7	83.4	83.9	83.9	84.5	84.8	85.0	85.2	85.2	85.3	86.4
GE	2500	79.5	80.4	81.4	81.9	83.5	83.8	84.5	85.0	85.0	85.6	85.9	86.1	86.3	86.3	86.4	87.5
G€	2000		81.0	82.4	83.0	84.9	85.2	85.9	86.4	86.4	86.9	87.2	87.5	87.6	87.6	87.8	88.8
GE	1800		81.0	82.4	83.1	85.0	85.3	86.0	86.5	86.5	87.1	87.3	87.6	87.8	87.8	87.9	89.0
GE		81.1	82.4	84.6	85.3	87.2	87.5	88.2	88.8	8.88	89.4	89.7	89.9	90.1	90.1	90.2	91.3
GE	1200	81.1	82.4	85.6	86.3	88.2	88.4	89.3	89.9	89.9	90.6	90.9	91.2	91.3	91.3	91.4	92.5
GE	1000	81.1	82.4	85.6	86.3	88.3	88.6	89.5	90.2	90.2	90.9	91.4	91.7	91.8	91.8	92.0	93.1
GE		81.1	82.4	85.6	86.3	88.3	88.6	89.5	90.2	90.2	90.9	91.4	91.7	91.8	91.8	92.0	93.3
GΕ		81.1	82.4	85.6	86.3	88.3	88.6	89.5	90.2	90.2	90.9	91.4	91.7	91.8	91.8	92.0	93.5
GE		81.1	82.4	86.0	86.7	88.7	89.0	89.9	9.09	90.6	91.3	91.8	92.1	92.4	92.4	92.8	94.3
GΕ	600	81.1	82.9	86.4	87.1	89.1	89.4	90.3	91.3	91.3	92.0	92.5	92.8	93.1	93.1	93.5	95.2
GΕ	500	81.1	82.9	86.4	87.1	89.1	89.4	90.3	91.3	91.3	92.1	92.7	92.9	93.2	93.2	93.7	95.6
GE		81.1	82.9	86.4	87.2	89.3	89.5	90.5	91.4	91.4	92.2	92.8	93.1	93.3	93.3	94.4	96.9
GE		81.1	82.9	86.4	87.2	89.3	89.5	90.5	91.4	91.4	92.2	92.8	93.1	93.6	93.6	94.7	98.2
GE		81.1	82.9	86.4	87.2	89.3	39.5	90.5	91.4	91.4	92.2	92.8	93.1	93.7	94.0	95.1	98.9
GE	100	81.1	82 .9	86.4	87.2	89.3	89.5	90.5	91.4	91.4	92.2	8.59	93.1	93.7	94.3	95.5	100.0
GE	000	81.1	82.9	86.4	87.2	89.3	89.5	90.5	91.4	91.4	92.2	92.8	93.1	93.7	94.3	95.5	100.C
					.					• • • • • •	. 					. 	

TOTAL NUMBER OF OBSERVATIONS 735

0 - 2 - 101

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO LITE: + 7 MONTH: DEC HOURS: 06-UR

				LST	TO UT	C: + 7				•	MON	H: DEC	HOUR	s: 06-L	18	. , ,	
CE	LING	• • • • • •	•••••	• • • • • •	• • • • • •	• • • • • •			STATUT		• • • • • • • • • • • • • • • • • • •	· · · · · · · ·	•••••	• • • • • •	• • • • • •	• • • • • •	• • • • • •
	IN I	GE	G€	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GΕ	GE
FE	ET	7	6	5	4	3	2 1/2	2		1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
•••	•••••		••••						• • • • • • • • •		• • • • •						
NA.	CEIL	E+ 9	52.0	52.7	53.1	53.5	53.7	E/ 3	E : 7	E/ 7	e · .		E/ 7	65.7			F
W	CEIL !	51.8	32.0	32.7	53. I	22.2	23.7	54.2	54.3	54.3	54.6	54.6	54.7	5 5. 3	55.5	56.1	56.9
GE	20000	53.0	53.2	54.0	54.4	54.8	55.1	55.6	55.7	55.7	55.9	56.0	56.1	56.7	56.9	57.5	58.3
GE	18000	53.2	53.3	54.2	54.6	55.0	55.3	55.7	55.9	55.9	56.1	56.2	56.3	56.9	57.0	57.6	58.5
GE	16000	53.3	53.5	54.3	54.7	55.1	\$5.4	55.9	56.0	56.0	56.3	56.3	56.4	57.0	57.2	57.8	58.6
GE	14000	54.4	54.6	55.4	55.8	56.2	56.5	56.9	57.1	57.1	57.3	57.4	57.5	58.1	58.3	58.9	59.7
GE	12000	57.0	57.2	58.1	58.7	59.1	59.4	59.9	60.0	60.0	60.2	60.3	60.4	61.0	61.2	61.8	62.7
Œ	10000	60.4	60.7	61.7	62.3	62.7	63.0	63.5	63.6	63.6	63.9	63.9	64.0	64.6	64.8	65.4	66.3
GE	9000	61.8	62.1	63.1	63.7	64.2	64.5	64.9	65.1	65.1	65.3	65.4	65.5	66.1	66.2	66.8	67.8
GE	8000	63.8	64.1	63.1	65.7	66.2	66.5	66.9	67.1	67.1	67.3	67.4	67.5	68.1	68.2	68.8	69.8
GE	7000	66.6	66.9	67.9	68.6	69.1	69.4	69.3	70.0	70.0	70.2	70.3	70.4	71.0	71.1	71.8	72.7
	6000	70.4	70.7	71.7	72.4	72.9	73.2	73.7	73.8	73.8	74.1	74.1	74.2	74.8	75.0	75.6	76.5
GE	00001	10.4	10.7	71.7	16.4	16.7	13.2	13.1	13.6	13.0	14.1	74.1	14.2	14.0	73.0	13.0	70.3
GE	5000	74.8	75.1	76.2	77.0	77.4	77.7	78.2	78.4	78.4	78.7	78.7	78.8	79.4	79.6	80.2	81.1
GΕ	4500	75.1	75.4	76.7	77.4	77.9	78.2	78.7	78.8	78.8	79.1	79.2	79.3	79.9	80.0	80.7	81.6
ĠΕ	4000	76.6	76.9	78.2	79.0	79.4	79.7	80.2	80.4	80.4	80.7	80.7	80.8	81.4	81.6	82.2	83.1
GE	3500	77.3	77.6	78.9	79.7	80.2	80.5	81.0	81.3	81.3	81.7	81.7	81.8	82.4	82.6	83.2	84.1
GE	3000	78.4	79.1	80.4	81.4	82.0	82.3	82.8	83.1	83.1	83.6	83.7	83.8	84.4	84.6	85.2	86.1
	25.00		~	•••	•• •								a. 3				
GE	2500	78.8	79.6	80.9	81.9	82.6	83.0	83.6	83.9	83.9	84.4	84.7	84.7	85.3	85.5	86.1	87.0
GE	2000	79.7	80.5	82.0	83.0	83.9	84.3	84.9	85.3	85.3	85.9	86.2	86.3	86.9	87.0	87.7	88.6
GE	1800	79.7	80.5	82.0	83.2	84.0	84.4	85.0	85.5	85.5	86.0	86.3	86.4	87.0	87.2	87.9	88.8
GE	1500	80.1	81.2	83.1	84.3	85.7	86.2	86.9	87.3	87.3	88.0	88.3	88.3	88.9	89.1	89.8	90.7
GE.	1200	80.1	81.2	83.7	85.0	86.3	86.8	87.7	88.2	88.3	88.9	89.2	89.3	89.9	90.0	90.7	91.6
GE	1000	80.1	81.2	84.0	85.5	87.1	87.6	88.5	88.9	89.0	89.7	90.2	90.3	91.3	91.5	92.2	93.1
GE	900	80.2	81.3	84.0	85.6	87.2	87.6	88.6	89.0	89.1	89.8	90.3	90.3	91.4	91.6	92.2	93.2
GE	800	80.2	81.3	84.0	85.6	87.2	87.6	88.8	89.4	89.5	90.2	90.7	90.9	91.9	92.1	92.8	93.8
GE	700	80.2	81.4	84.2	85.7	87.3	87.8	88.9	89.6	89.7	90.4	90.9	91.1	92.2	92.4	93.3	94.3
GE	600	80.2	81.6	84.4	86.0	87.6	88.0	89.2	90.0	90.1	90.9	91.4	91.6	92.7	92.9	93.9	94.9
GE	5001	80.2	81.6	84.5	86.1	87.7	88.2	89.3	90.2	90.3	91.2	91.8	91.9	93.2	93.4	94.8	96.1
GE	400		81.6	84.5	86.1	87.7	88.2	89.3	90.2	90.3	91.3	91.9	92.2	93.3	94.1	95.8	97.9
GE		80.2	81.6	84.5	86.1	87.7	88.2	89.3	90.2	90.3	91.3	91.9	92.2	93.9	94.2	96.0	98.7
GE	200	80.2	81.6	84.5	86.1	87.7	85.2	89.3	90.2	90.3	91.3	91.9	92.2	93.9	94.4	96.5	99.5
GE		80.2				87.7			90.2								
UE	100	٥٠.٤	81.6	84.5	86.1	01.7	88.2	89.3	¥U.2	90.3	91.3	91.9	92.2	94.0	94.5	96.6	100.0
GE	000	80.2	81.6	84.5	86.1	87.7	88.2	89.3	90.2	90.3	91.3	91.9	92.2	94.0	94.5	96.6	100.0
	• • • • • •											 . 				· · · · · · ·	

TOTAL NUMBER OF OBSERVATIONS 1303

D · 2 · 102

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: DEC HOURS: 09-11

			10	1001	. • •						n. DEC), UF:			
CEILING	· • • • • • • • • • • • • • • • • • • •		• • • • • •					STATUT			•••••	• • • • • • •	• • • • • • •		•••••	· · • · · ·
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	Ģξ	GE	GE	GE	G€	GE	GE
FEET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	48.7	49.3	49.9	50.0	50.1	50.1	50.3	50.5	50.5	50.9	51.0	51.1	51.5	51.6	52.2	52.6
GE 2000	0 50.4	51.0	51.6	51,7	51.8	51.8	52.0	52.2	52.2	52.6	52.8	52.8	53.2	53.4	54.0	54.4
GE 1800		51.4	52.0	52.2	52.3	52.3	52.5	52.8	52.8	53.1	53.3	53.4	53.7	53.9	54.5	54.9
GE 1600		52.0	52.6	52.8	52.9	52.9	53.1	53.4	53.4	53.7	53.9	54.0	54.3	54.5	55.1	55.5
GE 1400		54.0	54.6	54.8	54.9	54.9	55.1	55.3	55.3	55.7	55.8	55.9	56.3	56.4	57.0	57.5
GE 1200	6 55.7	56.4	57.0	57.3	57.3	57.3	57.6	57.8	57.8	58.2	58.3	58.4	58.8	58.9	59.5	60.0
GE 1000	0 59.2	60.1	60.7	61.0	61.1	51.1	61.3	61.5	61.5	61.9	62.1	62.1	62.5	62.7	63.3	63.7
GE 900		61.9	62.5	62.8	62.9	62.9	63.1	63.3	63.3	63.7	63.9	63.9	64.3	64.5	65.1	65.5
GE 800		64.2	64.8	65.1	65.2	65.2	65.4	65.7	65.7	66.0	66.2	66.3	66.6	66.8	67.4	67.8
GE 700		67.3	67.9	68.3	68.4	68.4	68.6	8.8	68.8	69.2	69.3	69.4	69.8	69.9	70.5	71.0
GE 600	0 70.6	71.6	72.3	72.7	73.0	73.0	73.2	73.5	73.5	73.8	74.0	74.1	74.4	74.6	75.2	75.6
GE 500		76.5	77.1	77.6	77.9	77.9	78.1	78.3	78.3	78.7	78.9	78.9	79.3	79.5	80.1	80.5
GE 450		77.5	78.3	78.9	79.3	79.3	79.5	79.8	79.8	80.1	80.3	80.4	80.7	80.9	81.5	81.9
GE 400		79.0	79.9	80.6	81.1	81.1	81.3	81.6	81.6	81.9	82.2	82.3	82.7	82.8	83.4	83.9
GE 350		79.8	80.7	81.5	82.0	82.0	82.2	82.5	82.5	82.8	83.1	83.2 85.0	83.6 85.4	83.7	84.3	84.8
GE 300	0 80.1	81.1	82.2	83.1	83.7	83.7	84.0	84.2	84.3	84.6	84.9	65.0	85.4	85.5	86.1	86.6
GE 250		81.6	82.6	83.7	84.3	84.3	84.6	84.9	84.9	85.4	85.7	85.8	86.1	86.3	86.9	87.3
GE 200		82.2	83.4	84.5	85.4	85.4	85.9	86.3	86.4	86.8	87.1	87.2	87.6	87.7	88.3	88.8
GE 180		85.2	83.5	84.6	85.6	85.6	86.1	86.5	86.6	87.0	87.3	87.4	87.8	87.9	88.5	89.0
GE 150		82.5	84.2	85.5	86.5	86.5	37.4	87.8	87.9	88.4	88.7	88.8	89.1	89.3	89.9	90.3
GE 120	0 81.7	82.3	84.4	85.9	87.0	87.1	88.2	88.5	88.8	89.5	89.8	89.9	90.3	90.4	91.0	91.5
GE 100	81.9	83.1	84.9	86.5	87.8	87.9	89.1	89.5	89.7	90.7	91.1	91.2	91.9	92.1	92.7	93.1
GE 90		83.1	81.9	86.6	87.9	87.9	89.1	89.6	89.8	90.9	91.3	91.5	92.1	92.3	92.9	93.3
GE 80	- 1 -	83.1	85,2	86.8	88.2	88.2	89.7	90.3	90.5	91.6	92.0	92.1	92.8	93.0	93.6	94.2
	0 81.9	83.1	35.2	86.9	88.4	88.5	89.9	90.6	90.8	92.0	92.4	92.5	93.3	93.5	94.2	94.8
GE 60	0 81.9	83.2	85.3	87.2	88.8	88.8	90.5	91.3	91.5	92.7	93.2	93.3	94.2	94.4	95.1	95.7
GE 50	0 81.9	83.4	85.5	87.6	89.3	89.4	91.0	92.1	92.3	93.6	94.0	94.2	95.1	95.4	96.5	97.1
	0 81.9	83.4	₹\$.5	87.6	89.4	89.7	91.3	92.4	92.7	93.9	94.4	94.7	95.7	96.3	97.4	98.4
	0 81.9	83.4	85.5	87.6	89.4	89.7	91.3	92.4	92.8	94.1	94.5	94.8	95.8	96.4	97.8	99.1
	0 81.9	83.4	85	87.6	89.4	89.7	91.3	92.4	92.8	94.1	94.5	94.8	95.9	26.5	98.1	99.8
GE 10	0 81.9	83.4	85.5	87.6	89.4	89.7	91.3	92.4	92.8	94.1	94.5	94.8	95.9	96.5	98.1	100.0
GE 00	0 81.9	83.4	85.5	87.6	89.4	89.7	91.3	92.4	92.8	94.1	94.5	94.8	95.9	96.5	98.1	100.0
																

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90

			0.0	LS1	TO UT	C: + 7				0.	MONT	H: DEC		s: 12-1		. 90	
CFI	LING	• • • • • •	•••••	•••••	•••••	• • • • • • •	VISIRI	177	N STATUT	E MILE	• • • • • • • • • • • • • • • • • • •	•••••	•••••	•••••	• • • • • • •	•••••	•••••
	N I	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	Œ	Œ	Œ
	ET	7	6	5	4	3	2 1/2	2		1 1/4	1	3/4	5/8	1/2	3/8	1/4	-
NO	CEIL	53.1	53.2	53.5	53.5	53.6	53.7	53.7	53.7	53.7	53.8	53.9	53.9	53.9	54.0	54.1	54.2
GE	20000	56.3	56.5	56.8	56.8	56.9	57.0	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.3	57.4	57.5
GE	18000	56.6	56.8	57.1	57.1	57.2	57.3	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.6	57.7	57.8
GE	16000	57.5	57.7	58.0	58.0	58.1	58.2	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.5	58.6	58.7
GE	14000	60.2	60.3	60.6	60.6	60.8	60.8	60.9	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.3	61.4
GE	12000	8.56	62.9	63.2	63.2	63.4	63.5	63.5	63.5	63.5	63.6	63.7	63.7	63.7	63.8	63.9	64.0
-	10000	66.8	66.9	67.2	67.2	67.4	67.5	67.5	67.5	67.5	67.6	67.7	67.7	67.7	67.8	67.9	68.0
GE	9000	68.2	68.4	68.7	68.7	68.8	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.2	69.4	69.4
GE	8000	69.8	70.0	70.3	70.3	70.4	70.5	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.8	70.9	71.0
GΕ	7000	71.7	71.8	72.2	72.2	72.3	72.4	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.7	72.8	72.9
GE	6000	75.8	76.0	76.3	76.3	76.5	76.5	76.6	76.6	76.6	76.7	76.8	76.8	76.8	76.8	77.0	77.1
Œ	5000	80.2	80.4	80.7	80.7	80.8	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.2	81.4	81.4
GE	4500	81.2	81.4	81.8	81.9	82.1	82.2	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.5	82.6	82.7
GE	4000	83.1	83.2	84.1	84.2	84.4	84.5	84.5	84.5	84.5	84.6	84.7	84.7	84.7	84.8	84.9	85.0
GE	3500	83.8	84.0	84.9	85.0	85.2	85.3	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.6	85.7	85.8
GE	3000	85.5	85.7	86.8	86.9	87.2	87.3	87.4	87.4	87.5	87.5	87.6	87.6	87.6	87.7	87.8	87.9
	Ì																
GE	2500	85.7	86.0	87.1	87.3	87.7	88.0	88.2	88.4	88.5	88.7	88.8	88.8	88.8	88.8	89.0	89.1
GE	2000	86.2	86.8	87.9	88.2	88.7	89.1	89.4	89.6	89.7	90.2	90.3	90.3	90.3	90.3	90.5	90.6
GE	1800	86.3	86.9	88.0	88.4	88.8	89.2	89.6	89.7	89.9	90.3	90.4	90.4	90.4	90.5	90.6	90.7
GE	1500	86.6	87.2	88.5	89.1	89.6	90.0	90.5	90.7	90.9	91.6	91.8	91.8	91.8	91.8	92.0	92.1
GE	1200	87.0	87.9	89.2	89.9	90.6	91.0	91.5	91.8	91.9	92.8	93.0	93.0	93.0	93.1	93.2	93.3
GE	1000	87.4	88.4	89.7	90.5	91.2	91.7	92.3	92.5	92.7	93.7	93.9	93.9	94.0	94.0	94.2	94.4
GE	900	87.4	88.4	89.7	90.6	91.3	91.8	92.4	92.7	92.8	94.0	94.2	94.2	94.3	94.4	94.6	94.8
GE	800	87.7	88.7	90.1	91.0	91.8	92.2	93.1	93.6	93.7	94.9	95.1	95.1	95.4	95.5	95.6	95.8
GE	700	88.0	89.0	90.6	91.8	92.6	93.1	93.9	94.5	94.6	95.9	96.3	96.3	96.6	96.7	96.8	97.1
GE	600	88.1	89.2	90.8	92.2	93.0	93.5	94.3	94.9	95.2	96.7	97.1	97.2	97.5	97.6	97.7	98.0
UE	000	00.1	U7.E	70.5	7616	73.0	,,,,	74.5	, , , ,	,,,,	,						
GE	500	88.3	89.4	91.0	92.6	93.5	94.0	94.9	95.5	95.8	97.3	97.7	97.8	98.2	98.3	93.6	98.8
GE	400		89.4	91.0	92.6	93.5	94.0	94.9	95.5	95.9	97.4	98.0	98.0	98.4	98.6	98.9	99.2
GE	300	88.3	89.4	91.0	92.6	93.5	94.0	94.9	95.5	95.9	97.4	98.0	98.0	98.4	98.6	99.0	99.5
GE	200		89.4	91.0	92.6	93.5	94.0	94.9	95.5	95.9	97.4	98.0	98.0	98.4	98.6	99.0	99.6
GE	100	_	89.4	91.0	92.6	93.5	94.0	94.9	95.5	95.9	97.4	98.0	98.0	98.4	98.6	99.2	100.0
		ì															
GE	000	88.3	89.4	91.0	92.6	93.5	94.0	94.9	95.5	95.9	97.4	98.0	98.0	98.4	98.6	99.2	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MA 60 - APR 90 LST TO UTC: + 7 MONTH: DEC HOURS: 15-17 VISIBILITY IN STATUTE MILES CEILING GE Œ CE. GE Œ IN GE GF Œ Œ Œ GE GE GE FEET 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 0 1/4 MO CEIL 52.5 52.5 52.5 52.7 52.8 52.8 52.8 52.8 52.8 52.9 52.9 52.9 53.1 53.1 53.1 53.1 GE 20000 55.5 55.5 55.8 55.5 55.7 55.8 55.8 55.8 55.8 55.9 55.9 55.9 56.1 56.1 56.1 56.1 GE 18000 56.1 56.1 56.1 56.3 56.3 56.3 56.3 56.3 56.3 56.4 56.6 56.4 56.4 56.6 56.6 56.6 GE 16000 56.8 56.8 56.8 57.0 57.1 57.1 57.1 57.1 57.1 57.2 57.2 57.3 57.3 57.3 57.2 57.3 GE 14000 58.5 58.7 58.8 58.8 58.5 58.5 58.8 58.8 58.8 58.9 58.9 59.1 58.9 59.1 59.1 59 1 GE 12000 62.8 62.8 62.8 63.0 63.0 63.0 63.0 53.0 63.0 63.1 63.1 63.1 7 TA 63.3 63.3 63.3 GF 10000 66.7 66.9 67.0 67 0 67.0 67.0 67.1 67.1 66.7 66.7 67.0 67.1 67.3 67.3 67.3 67.3 69.0 GE 9000 68.4 68.4 68.4 68.7 68.8 68.8 68.8 68.8 68.8 68.8 68.8 68.8 69.0 69.0 69.0 GE 8000 71.5 71.5 71.5 71.7 71.8 71.8 71.8 71.8 71.8 71.9 71.9 72.1 71.9 72.1 72.1 72.1 GE 7000 73.4 73.4 73.4 73.6 73.7 73.7 73.7 73.7 73.7 73.8 73.8 73.8 74.0 74.0 74.0 74.0 78.0 78.0 78.0 78.2 78.2 78.2 78.2 GΕ 5000 82.0 82.0 82.0 82.3 82.4 82.4 82.4 82.4 82.4 82.5 82.5 82.5 82.7 82.7 82.7 82.7 82.9 82.9 83.3 83.3 85.9 83.3 4500 82.9 83.2 83.3 83.3 83.4 GE 83.4 83.4 83.6 83.6 83.6 83.6 85.9 85.9 85.2 GE 4000 85.2 85.2 85.8 85.9 85.9 86.0 86.0 86.0 86.1 86.1 86.1 86.1 87.6 3500 87.6 GE 86.9 86.9 86.9 87.4 87.5 87.5 87.5 87.5 87.5 87.6 87.8 87.8 87.8 87.8 GE 3000 88.2 88.4 88.9 89.5 89.6 89.6 89.6 89.6 89.7 89.9 89.9 89.9 90.0 90.0 90.0 90.0 89.0 90.2 90.4 90.5 GΕ 2500 88.9 89.5 90.4 90.5 90.6 91.0 91.0 91.0 91.2 91.2 91.2 91.2 92.1 92.2 92.8 2000 89.9 90.6 91.0 91.8 91.9 91.9 92.9 GE 92.1 92.8 92.9 92.8 92.9 92.9 90.6 91,9 92.1 1800 91.0 91.9 92.4 89.9 91.8 92.9 92.9 93.1 GE 92.1 92.9 93.1 93.1 93.1 GE 1500 90.3 91.2 91.7 92.5 92.7 92.7 92.9 92.9 93.3 93.9 93.9 93.9 94.1 94.1 94.1 94.1 94.7 94.9 GE 1200 90.7 91.9 92.4 93.3 93.5 93.5 93.8 93.8 95.3 1000 [90.9 92.1 92.6 93.5 93.7 93.7 93.9 93.9 GE 94.3 94.9 94.9 94.9 95.3 95.3 95.3 900 91.0 92.8 94.1 95.8 95.8 GE 92.3 93.9 94.1 94.4 94.4 94.8 95.8 96.3 96.3 96.4 96.4 800 94.5 94.5 94.9 95.0 95.5 GΣ 91.2 92.5 92.9 94.2 96.5 96.5 96.5 96.9 96.9 97.9 97.0 97.7 97.7 98.2 700 91.7 93.1 93.9 95.5 95.7 95.7 96.2 96.3 97.7 GE 96.7 98.2 98.3 98.3 93.1 95.9 96.5 GΕ 600 91.7 93.9 95.5 96.0 96.6 97.1 98.1 98.2 98.2 98.6 98.6 98.7 98.7

96.6

96.7

96.7

96.7

96.7

96.2

96.3

96.3

96.3

TOTAL NUMBER OF OBSERVATIONS 1104

93.1

93.2

93.2

93.2

93.2

93.9

94.0

94.0

94.0

95.5

95.6

95.6

95.6

95.6

96.1

96.2

96.2

96.2

96.2

000 91.7 93.2 94.0 95.6 96.2 96.3 96.7 96.9 97.4

GE

GE

GE

GE

500

400

300

200

100

91.7

91.7

91.7

91.7

91.7

97.3

97.4

97.4

97.4

97.4

96.8

96.9

96.9

96.9

98.5

98.6

98.6

98.6

98.6

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98.7

98.7

98.7

98.7

99.1

99.2

99.2

99.3

99.3

98.6 98.6 98.7 99.3 99.5 99.6 100.0

99.1

99.5

99.5

99.5

99.2

99.5

99.5

99.6

99.6

99.2

99.5

99.5

99.7

100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 MONTH: DEC HOURS: 18-20

				ſ2,	T TO UT	C: + 7					MON'	TH: DEC	HOUR	ls: 18-2	20		
CEI	LING	• • • • • •	• • • • • •	• • • • • •		•••••	VISIBI	LITY I	N STATU	TE MILES	 S	• • • • • •	• • • • • • •	· · • · · · • •	• • • • • • •	•••••	•••••
	N	GE	GE	GE	Œ	GE	GE	GΕ	GE	GE	GE	GE	G€	GE	GE	GE	GE
FE	ET	7	6		.	3	2 1/2	5	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
MV.	CE IL	57.5	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.9	E7 0	60 4		FA 4	50.3
	CEIL	77.3	<i>31.1</i>	37.1	31.1	J1 .0	31.0	21.0	27.0	37.0	37.0	37.9	57.9	58.1	58.1	58.1	58.2
	20000		57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	58.1	58.1	58.1	58.2
	18000	57.7	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	58.1	58.1	58.2	58.2	58.2	58.3
	16000	57.8	57.9	57.9	57.9	58.1	58.1	56.1	58.1	58.1	58.1	58.2	58.2	58.3	58.3	58.3	58.5
	14000		58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.3	59.3	59.3	59.4
UE.	12000	62.5	62.6	62.6	62.6	62.8	62.8	62.8	8.56	62.8	8.56	62.9	62.9	63.0	63.0	63.0	63.2
	10000		56.4	66.4	66.7	66.9	66.9	66.9	66.9	66.9	65.9	67.1	67.1	67.2	67.2	67.2	67.3
Œ	9000	67.7	67.9	67.9	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.7	68.7	68.7	68.8
GE	8000	69.9	70.0	70.0	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.8	70.8	70.8	71.0
Œ	7000		71.6	71.6	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.4	72.4	72.4	72.€
GE	6000	76.6	76.7	76.7	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.6	77.6	77.6	77.7
ĢΕ	5000	81.0	81.2	81.2	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.9	81.9	82.0	82.0	82.0	82.1
GΕ	4500	81.9	82.0	82.1	82.4	82.7	82.7	82.7	82.7	82.7	82.8	82.9	82.9	83.1	83.1	83.1	83.2
GΕ	4000	83.6	83.7	23.9	84.1	84.4	84.4	84.4	84.4	84.4	84.7	84.8	84.8	84.9	84.9	84.9	85.1
GΕ	3500		85.5	85.6	85.9	86.2	86.2	86.2	86.2	86.2	86.4	86.6	86.6	86.7	86.7	86.7	86.8
GE	3000	86.6	86.7	86.8	87.4	87.8	87.8	87.8	87.8	87.8	88.2	88.3	88.3	88.4	88.4	88.4	88.6
GE	2500	87.6	87.8	87.9	88.4	88.8	88.8	88.8	88.8	88.8	89.2	89.4	89.4	89.5	89.5	89.5	89.7
Œ	2000	89.2	89.8	90.3	90.9	91.3	91.3	91.3	91.3	91.3	91.8	91.9	91.9	92.1	92.1	92.1	92.2
GE	1800	89.4	89.9	90.6	91,1	91.8	91.8	91.8	91.8	91.8	92.5	92.6	92.6	92.7	92.7	92.7	92.9
GE	1500	90.1	90.6	91.3	91.9	92.6	92.6	93.6	92.9	92.9	93.5	93.7	93.7	93.8	93.8	93.8	94.0
GE	1200	90.2	90.9	91.5	92.5	93.1	93.1	93.3	93.5	93.5	94.2	94.4	94.4	94.5	94.5	94.5	94.6
Œ	1000	90.6	91.3	91.9	92.9	93.5	93.5	93.7	94.0	94.0	94.6	94.8	94.8	95.0	95.0	95.0	95.2
Œ	900	90.6	91.4	92.2	93.4	94.1	94.1	94.2	94.5	94.5	45. 2	95.3	95.3	95.6	95.6	95.6	95.7
Œ	800	90.6	91.4	92.2	93.4	94.2	94.2	94.4	94.6	94.6	95.3	95.4	95.4	95.7	95.7	95.7	95.8
GE	700	90.6	91.5	92.5	93.7	94.8	94.8	94.9	95.2	95.2	95.8	96 .0	96.0	96.2	96.2	96.2	96.5
Œ	600	90.6	91.8	92.7	94.0	95.3	95.6	95.7	96.1	96.2	97.0	97.2	97.2	97.4	97.4	97.4	97.7
GE	500	90.6	91.9	92.9	94.1	95.8	96.1	96.2	96.6	96.8	97.5	97.7	97.7	98.1	98.1	98.1	98.7
GE	400	90.6	91.9	92.9	94.1	95.8	96.1	96.2	96.6	96.8	97.7	97.8	97.8	98.3	98.3	98.3	98.8
GE	300	90.6	91.9	93.0	94.2	96.1	96.4	96.5	96.9	97.0	98.0	98.5	98.5	98.9	98.9	98.9	99.6
ĢĒ	200		91.9	93.0	94.2	96.1	96.4	96.5	96.9	97.0	98.0	98.5	98.5	98.9	98.9	98.9	99.7
GE	100	90.6	91.9	93.0	94.2	96.1	96.4	96.5	96.9	97.0	98 .0	98.5	98.5	98.9	98.9	98.9	99.9
GΕ	000	90.6	91.9	93.0	94.2	96.1	96.4	96.5	96.9	97.0	98.0	98.5	98.5	98.9	98.9	98.9	100.0
		, , 0.6	71.7			70 . ;	70.4	70 .5	YC. Y	97.0	70. 0	70 .)	• • • • • • • • • • • • • • • • • • •		VO.V	90.9	100

TOTAL NUMBER OF OBSERVATIONS 744

0 - 2 - 106 .

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

CEIL									STATUT	_			· · · · · · ·				
FEE		GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	G€ 5/8	GE 1/2	GE 3/8	GE 1/4	GE O
NO C	EIL	59.3	59.6	59.8	60.1	60.4	60.4	60.4	60.4	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7
ce 2	22003	59.3	59.6	59.8	60.1	60.4	60.4	60.4	60.4	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7
	8000	59.3	59.6	59.8	60.1	60.4	60.4	60.4	60.4	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7
	6000	59.3	59.6	59.8	60.1	60.4	60.4	60.4	60.4	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7
	4000	59.3	59.6	59.8	60.1	60.4	60.4	60.4	60.4	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7
	2000	62.2	62.5	62.7	63.0	63.3	63.3	63.3	63.3	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6
GE 1	0000	65.1	65.4	65.6	65.9	66.2	66.2	66.2	66.4	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7
	9000	66.7	67.0	67.1	67.4	67.7	67.7	67.7	67.9	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2
	8000	69.6	69.9	70.0	70.4	70.7	70.7	70.7	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
	7000	72.0	72.4	72.5	72.8	73.1	73.1	73.1	73.3	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.6
GE	6000	75.6	75.9	76.0	76.3	76.7	76.7	76.7	76.8	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1
ĢE	5000	79.4	79.7	79.9	80.2	80.5	80.5	80.5	80.6	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0
	4500	80.2	80.5	80.8	81.1	81.4	81.4	81.4	81.6	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0
	4000	81.9	82.2	82.5	82.8	83.3	83.3	83.3	83.4	83.6	83.7	83.9	83.9	83.9	83.9	84.0	84.0
	3500	82.5	82.8	83.1	83.4	83.9	83.9	83.9	84.0	84.2	84.6	84.8	84.8	84.8	84.8	84.9	84.9
GE	3000	83.7	84.0	84.3	84.8	85.3	85.3	85.3	85.4	85.6	86.0	86.2	86.2	86.2	86.2	86.3	86.3
	2500		85.1	85.4	86.0	86.5	86.5	86.5	86.6	86.8	87.3	87.6	87.6	87.6	87.6	87.7	87.7
	2000	85.7	86.5	87.6	88.2	88.6	88.6	88.8	88.9	89.1	89.6	89.9	89.9	89.9	89.9	90.0	90.0
	1800	85.7	86.5	87.6	88.2	88.6	88.6	88.8	88.9	89.1	89.6	89.9	89.9	89.9	89.9	90.0	90.0
	1500		87.6	88.6	89.2	89.7	89.7	90.2	90.3	90.5	90.9	91.2	91.2	91.2	91.2	91.4	91.4
GE	1200	87.4	88.3	89.7	90.3	90.8	90.8	91.6	91.7	91.9	92.3	92.6	92.6	92.6	92.6	92.8	92.8
GE	1000	87.4	84.3	89.7	90.3	90.8	90.8	91.6	91.7	91.9	92.3	92.8	92.8	92.8	92.8	92.9	92.9
GΕ		87.4	38.6	90.2	90.8	91.2	91.2	92.0	92.2	92.3	92.8	93.2	93.2	93.2	93.2	93.4	93.5
GE		87.4	8.85	90.3	90.9	91.9	91.9	92.6	92.8	92.9	93.5	94.2	94.2	94.2	94.2	94.3	94.5
GE		87.9	89.2	90.8	91.4	92.3	92.3	93.1	93.2	93.4	94.0	94.6	94.6	94.6	94.6	94.8	94.9
GE	600	87.9	89.6	91.1	91.9	92.8	92.8	93.5	93.7	93.9	94.5	95.1	95.1	95.1	9 5.1	95.4	95.5
ĢΕ		87.9	89.6	91,1	91.9	92.9	93.1	94.0	94.5	94.6	95.2	96.0	96.0	96.0	96.0	96.5	97.1
GE		87.9	89.6	91.1	91.9	92.9	93.1	94.0	94.6	94.8	95.5	96.9	96.9	97.1	97.1	97.5	98.6
GE	,	87.9	89.6	91.1	91.9	92.9	93.1	94.0	94.6	94.8	95.5	96.9	96.9	97.1	97.1	97.5	99.1
GΕ		87.9	89.6	91.1	91.9	92.9	93.1	94.0	94.6	94.8	95.5	96.9	96.9	97.1	97.2	97.7	99.2
GE	וְטִטוּ	87.9	89.6	91.1	91.9	92.9	93.1	94.0	94.6	94.8	95.5	96.9	96.9	97.1	97.2	97.7	100.0
GE	000	87.9	89.6	91.1	91.9	92.9	93.1	94.0	94.6	94.8	95.5	96.9	96.9	97.1	97.2	97.7	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90

				rs.	T TO UT	C: + 7					MONT	H: DEC	HOURS:	ALL			
CEILI	MG.	• • • • •	•••••			• • • • • • •	VISIRI	ITY I	H STATUI	F M116	• • • • • • • • • • • • • • • • • • •	•••••	• • • • • • •	· · • · · · · ·	• • • • • •	• • • • • •	
11		GE	Œ	GΕ	Œ	GE	GE	GE	GE.	GE	GE	GE	GE	GE	GE	GE	GE
FEET	٠	7	6	3	4	3	2 1/2	2		1 1/4	1	3/4	5/8	1/2	3/8	1/4	02
• • • • •	••••	• • • • • •			-	• • • • • •	•••••	• • • • • •	• • • • • • •	• • • • • •	• • • • • •				•••••		· • • • • • •
NO CE	3L {	53.9	54.1	54.4	54.6	55.0	55.0	55.3	55.4	55.4	55.6	55.7	55.8	56.0	56.1	56.3	56.7
GE 20	000	55.4	55.6	55.9	56.1	56.5	56.5	56.8	56.9	56,9	57.1	57.2	57.3	57.5	57.6	57.8	58.2
GE 18		55.6	55.8	56.2	56.4	56.7	56.8	57.0	57.1	57.1	57.3	57.5	57.5	57.8	57.8	58.1	58.5
GE 16		56.0	56.2	56.6	56.8	57.1	57.2	57.4	57.5	57.5	57.7	57.9	57.9	58.2	58.2	58.5	58.9
GE 14		57.3	57.5	57.9	58.1	58.4	58.5	58.7	58.8	58.8	59.1	59.2	59.2	59.5	59.6	59.8	60.2
OE 12	1000	60.2	60.4	60.8	61.0	61.4	61.5	61.7	61.8	61.8	62.0	62.1	62.2	62.4	62.5	8.56	63.1
GE 10	000	63.7	64.0	64.4	64.7	65.0	65.1	65.4	65.5	65.5	65.7	65.8	65.9	5.88	66.2	66.5	66.9
GE 9	000	65.1	65.4	65.E	66.1	66.5	66.6	66.8	66.9	67.0	67.2	67.3	67.4	67.6	67.7	67.9	68.3
GE &	000	67.2	67.6	67.9	68.3	68.6	68.7	69.0	69.1	69.1	69.4	69.5	69.6	69.8	69.9	70.1	70.5
GE 7	000	69.7	70.0	70.4	70.7	71.1	71.2	71.5	71.6	71.6	71.8	72.0	72.0	72.3	72.3	72.6	73.0
GE 6	000	73.7	74.0	74.4	74.8	75.2	75.3	75.6	75.7	75.7	75.9	76.1	76.1	76.4	76.4	76.7	77.1
GE 5	000 l	78.0	78.3	76.8	79.2	79.6	79,7	80.0	80.1	80.1	80,4	80.5	80.6	80.8	80.9	81.2	81.5
GE 4	500	78.8	79.1	79.6	80.1	80.5	80.6	80.9	81.0	81.0	81.3	81.5	81.5	81.8	81.8	82.1	82.5
GE 4	000	80.4	80.7	81.4	81.8	82.3	82.4	82.7	82.9	82.9	83.2	83.3	83.4	83.6	83.7	84.0	84.4
Œ 3	500	81.3	81.6	82.3	82.8	83.3	83.4	83.7	83.9	83.9	84.2	84.4	84.4	84.7	84.7	85.0	85.4
e j	000	82.4	83.2	84.0	84.6	85.1	85.2	85.5	85.7	85.8	86.1	86.3	86.4	86.6	86.7	87.0	87.4
GE 2	500	83.2	83.8	84.6	85.3	85.9	86.0	86.4	86.7	86.7	87,2	87.4	87.4	87.7	87.7	88.0	88.4
GE Z	000	84.0	84.8	85.9	86.6	87.3	87.5	88.0	88.2	88.3	88.8	89.0	89.1	89.3	89.4	89.7	90.1
	800	84.1	84.9	86.0	86.7	87.5	87.6	88.1	88.4	88.5	89.0	89.2	80.3	89.5	89.6	89.9	90.3
	500	84.6	85.6	86.9	87.8	88.6	88.5	89.5	89.8	89.9	90.5	90.8	90.8	91.1	91.1	91.4	91.8
	200	84.9	86.0	87.6	88.5	89.5	89.7	90.4	90.8	90.9	91.6	91.8	91.9	92.1	92.2	92.5	92.9
GE 1	000	85.1	86.2	57.9	88.9	89.9	90.1	91.0	91.3	91.5	92.3	92.6	92.6	93.1	93.1	93.4	93.8
CE (900 (85.1	86.3	88.0	89.1	90.1	90.3	91.2	91.5	91.7	92.6	92.9	93.0	93.4	93.5	93.8	94.2
GE	800	85,2	86.4	88.1	89.3	90.4	90.6	91.6	92.0	92.2	93.1	93.4	93.5	94.0	94.1	94.4	94.9
	700	85.3	86.6	88.5	89.8	90.9	91.1	92.1	92.6	92.7	93.7	94.0	94.1	94.7	94.7	95.1	95.7
		65.3	86.8	88.7	90.0	91.2	91.5	92.5	93.1	93.3	94.3	94.7	94.9	95.4	95.5	95.9	96.4
GE '	500	85.4	86.9	88.8	90.2	91.5	91.8	92.9	93.5	93.7	94.8	95.3	95.4	96.0	96.1	96.7	97.4
	400	85.4	86.9	88.8	90.3	91.6	91.9	92.9	93.6	93.8	95.0	95.6	95.7	96.4	96.6	97.4	98.4
	300	85.4	86.9	88.8	90.3	91.6	91.9	93.0	93.6	93.9	95.0	95.7	95.8	96.5	96.8	97.6	99.1
	200	85.4	86.9	88.8	90.3	91.6	91.9	93.0	93.6	93.9	95.0	95.7	95.8	96.6	96.9	97.8	99.5
	100	85.4	80.9	88.8	90.3	91.6	91.9	93.0	93.6	93.9	95.0	95.7	95.8	96.6	97.0	97.9	100.0
GE :	000 l	85.4	86.9	83.8	90.3	91.6	91,9	93.0	93.6	93.9	95.0	95.7	95.8	96.6	97.0	97.9	100.0

-E. CENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION HUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HONTH: ALL HOURS: ALL

				F2	T TO UT	: + /					MONT	H: ALL	HOURS:				
CEI	LING				• • • • •	• • • • • •	VISIBII	ITY IN	STATUT	E MILES		• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	
FE	n Et	GE 7	GE 6	GE 5		GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	G
СN	CEIL	70.5	70.6	70.7	70 -8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.
GE	20000	72.3	72.3	72.4	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.
ĢĒ	18000	72.5	72.5	72.0	72.7	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	73.0	73.0	73.
GE	16000	72.7	72.8	72	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.3	73.
GS	14000	74.0	74.1	71	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.
GE	12000	77.1	77.2	71.3	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.
GE	10000	80.4	80.5	80.7	80.8	80.8	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.1	81.
GĒ	9000	81.6	81.7	81.8	81.9	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.
GE	8000	83.6	87	83.8	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.3	84.
Œ	7000	85.6	85.7	85.8	85.9	86.0	86.1	86.1	86.1	86.1	85.2	86.2	86.2	86.2	86.2	86.3	86.
GE	6000	88.6	88.7	88.9	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	39.4	89.
GE	5000	91.5	91.6	91.8	91.9	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.
GE	4500	92.1	92.3	92.5	92.6	92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.C	93.
GΕ	4000	93.4	93.6	93.8	94.0	94.1	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.5	94.
GE	3500	94.1	94.3	94.5	94.7	94.9	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.2	95.2	95.2	95.
GE	3000	95.0	95.2	95.5	95.7	95.9	96 .0	96.1	96.1	96.1	96.2	96.2	96.2	96 .3	96.3	96.3	96.
GE	2500	95.5	95.7	96.0	96.3	96.5	96.5	96.6	96.7	96.7	96.8	96.8	96.8	96.9	96.9	96.9	97
GE	5000		96.1	96.5	96.8	97.0	97.1	97.2	97.2	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.
GE		95,9	96.1	96.5	96.8	97.1	97.1	97.2	97.3	97.3	97.4	97.5	97.5	97.5	97.6	97.6	97.
GE	1500		96.3	96.8	97.1	97.4	97.4	97.6	97.7	97.7	97.8	97.9	97.9	97.9	98.0	98.0	98.
GE	1200	96.1	96.4	96.9	97.3	97.6	97.6	97.8	97.9	97.9	98.1	98.1	98.1	98.2	98.2	98.3	98.
GE		96.2	96.5	97.1	97.4	97.8	97.9	98.1	98.2	98.2	98.4	98.4	98.5	98.5	9 8.6	98.6	98.
ĢĒ	900		96.6	97.1	97.5	97.9	97.9	98.1	98.2	98.3	98.5	98.5	98.5	98.6	98.7	98.7	98.
Œ	800	96.3	96.6	97.2	97.6	97.9	98.0	98.2	98.3	98.4	98.6	98.7	98.7	98.8	98.8	98.9	98.
GE	700		96.6	97.2	97.6	98.0	98.1	98.3	98.4	98.5	98.7	98.8	98.8	98.9	99.0	99.0	99.
GE	600	96.3 I	96.6	97.2	97.7	98.1	98 .1	98.4	98.5	98.6	93.8	98.9	98.9	99.1	99.1	99.2	99.
Gξ	500		96.6	97.2	97.7	98.1	98.2	96.5	98.6	98.7	98.9	99.0	99.0	99.2	99.3	99.4	99
GE	400		96.7	97.3	97.7	98.1	98.2	98.5	98.6	98.7	93.9	99.1	99.1	99.3	99.3	99.5	99.
GE	300		96.7	97.3	97.7	98.1	98.2	98.5	98.6	98.7	98.9	99.1	99.1	29.3	99.4	99.6	99.
GE	200		96.7	97.3	97.7	98.1	98.2	98.5	98.6	98.7	98.9	99.1	99.1	99.3	99,4	99.6	99.
GE	100	%.3	96.7	97.3	97.7	98.1	98.2	98.5	98.6	98.7	98.9	99.1	99.1	99.3	99,4	99.6	100
GE	000	96.3	96.7	97.3	97.7	98.1	98.2	98.5	98.6	98.7	98.9	99.1	99.1	99.3	99.4	99.6	100.

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOUSELY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGMAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90

LST TO UTC: + 7

MONTH: JAN HOURS:ALL

				AIRMAY CL	ASSES			••••••
HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OSSCURATION	TOTAL OBS
00-02	32.9	20.4	15.5	30.6	.6	46.7	• • • • • • • • • • • • • • • • • • • •	651
03-05	32.2	17.7	14.7	35.1	.3	\$0.1		734
06-08	22.9	19.3	17.9	37.3	2.6	57.8	3.6	1433
09-11	15.8	18.1	21.9	40.9	3.3	66.1	4.4	1473
12-14	15.4	20.0	20.4	41.8	2.3	64.6	3.1	1460
15-17	15.5	19.3	20.9	42.8	1.4	65.1	1.4	1179
18-20	24.5	18.0	16.7	40.5	.4	57.5		744
21-23	29.8	17.5	17.7	34.6	.5	52.7		651
ALL HOURS	21.6	18.9	18.9	38.9	1.8	59.5	2.1	8325

MONTH: FEB HOURS: ALL

09-11	13.8	24.0	22.6	38.1	1.5	62.2	1.7	1356
12-14	12.0	24.5	25.3	37.2	1.0	63.6	1.6	1337
15-17	13.4	21.7	25.5	39.2	.2	64.9	1.1	1079
18-20	20.9	19.0	22.7	37.3		60.0		678
21-23	30.3	20.3	17.8	31.5	.2	49.4		591
ALL HOURS	19.2	22.2	22.3	35.7	.7	58.7	1.1	7601

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGHAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: MAR HOURS:ALL

********	••••••		• • • • • • • • • •	AIRWAY CL	ASSES	• • • • • •	• • • • • • • • • • • • • • • •	•••••
HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL Ges
00-02	40.4	19.1	12.2	28.3	• • • • • • • • • • • • • • • • • • • •	40.4	••••••••	591
03-05	38.2	18.9	15.3	27.6		42.9		693
06-08	22.9	21.8	21.1	33.4	.8	55.4	1.4	1466
09-11	18.4	21.1	22.8	37.3	.5	60.6	1.0	1519
12-14	13.9	21.6	26.8	37.4	.2	64.5	1.2	1472
15-17	14.0	20.1	25.9	39.6	.3	65. 8	.7	1206
18-20	21.1	22.4	19.1	37.1	.3	56.5		744
21-23	34.7	21.2	17.3	26.8		44.1		5:70
ALL HOURS	22.4	21.0	21.6	34.7	.3	56.6	.7	8281

MONTH: APR HOURS: ALL

00-02	30.4		14.6	32.8	• • • • • • • • • •	47.4		540
03-05	31.9	24.2	14.0	30.0		44.0		744
06-08	20.4	23.3	22.7	33.2	.3	56.3	.1	1438
09-11	16.9	26.4	20.6	35.7	.4	56.7	.1	1483
12-14	11.8	25.6	25.0	37.4	.1	62.6	.2	1443
15-17	10.6	22.7	26.5	40.1	.1	66.7	.2	1101
18-20	14.6	19.4	23.8	42.2		66.0		720
21-23	25.0	21.1	23.1	30.7		53.9		540
ALL HOURS	18.4	23.7	22.0	35.7	.2	57.9	.1	9009

GPERATING LOCATION "A" LIBAFETAC, ASNEVILLE NO

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY GOVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGMAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: MAY HOURS:ALL

• • • • • • • •	• • • • • • • • •	• • • • • • • • • • •	• • • • • • • • • •	AIRWAY CL	ASSES	• • • • • •	• • • • • • • • • • • • • • • • • • • •	
HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OSSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-05	35.0	28.7	15.8	20.4	•••••	36.3	• • • • • • • • • • • • • • • •	651
03-05	30.0	30.8	17.4	21.8		39.2		873
06-08	23.6	28.4	20.6	27.4		48.0	.2	1528
09-11	21.1	28.5	22.3	28.1		50.5		1524
12-14	14.7	31.4	25.1	28.8		53.9	.1	1461
15-17	11.4	28.3	29.2	31.0		60.2	.2	1101
18-20	13.5	27.1	24.5	34.9		59.4		837
21-25	23.8	27.3	23.8	25.0		48.8		651
ALL HOURS	20.6	29.0	22.7	27.7		50.4	.1	8626

MONTH: JUN HOURS: ALL

	48.1	21.4	12.7	17.8	30.5	630
00-05	40.1	21.4	12.7	17.0	30.5	650
03-05	43.6	26.1	13.2	17.0	30.2	853
06-08	34.4	31.4	17.7	16.5	34.2	1500
09-11	35.0	32.1	15.4	17.5	32.9	1505
12-14	27.7	34.2	19.4	18.6	38.1	1437
15-17	23.3	31.8	21.1	23.8	44.9	1067
18-20	25.8	28.6	20.5	25.1	45.6	810
21-23	35.6	23.5	20.3	20.6	41.0	630
ALL HOURS	33.2	29.9	17.6	19.2	36.9	8432

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

MONTH: JUL HOURS:ALL

	•••••	• • • • • • • • • • • •		AIRWAY CL	ASSES	• • • • • •	• • • • • • • • • • • • • • • • • • • •	
HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	54.1	26.1	12.0	7.8	• • • • • • • • • • • • • • • • • • • •	19.8	• • • • • • • • • • • • • • • • • • • •	651
03-05	47.9	29.8	14.1	8.2		22.4		850
06-08	35.9	32.4	21.5	10.2		31.7		1468
09-11	39.8	34.1	18.1	7.9		26.0		1486
12-14	32.0	39.6	22.6	5.8		28.4		1412
15-17	24.4	39.9	26.4	9.3		35.8	.1	1074
18-20	28.3	30.7	26.8	14.2		41.0		837
21-23	38.2	33.2	20.6	8.0		28.6		651
ALL HOURS	36.5	34.0	20.7	8.8		29.5	.0	8429

MONTH: AUG HOURS: ALL

00-05	50.7	24.9	15.5	8.9	24.4	,	651
03.05	50.5	28.1	13.6	7.8	21.4		850
06-08	35.8	37.6	18.5	8.1	26.5		1477
09-11	38.4	35.9	18.3	7.4	25.8		1495
12-14	27.5	44.3	20.0	8.1	28.2		1428
15-17	21.8	40.0	26.0	12.2	38.2	.1	1076
18-20	25.3	30.7	27.0	16.9	44.0		810
21-23	41.3	27.0	20.1	11.5	31.6		651
ALL HOURS	35.1	35.3	19.9	9.6	29.5	.0	8438

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

MONTH: SEP HOURS:ALL

				ATRWAY CL	ASSES			
(LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL
00-02	62.1	16.8	14.3	6.8		21.1	• • • • • • • • • • • • • • •	630
03-05	60.1	19.0	10.9	10.0		20.9		814
06-08	46.1	25.6	17.7	10.6		28.3	.6	1392
09-11	43.3	28.6	16.7	11.3		28.0	.5	1394
12-14	37.4	33.3	18.3	11.0		29.3	.3	1334
15-17	34.4	30.7	21.8	13,1		34.9		1013
18-20	39.2	24.9	19.4	16.5		35.9		780
21-23	52.9	24.0	14.3	8.9		23.2		630
ALL HOURS	45.2	26.5	17.1	11.2		28.3	.2	7987

MONTH: OCT HOURS: ALL

00-02	58.7	18.6	10.4	12.3	• • • • • • • • •	22.7	• • • • • • • • • • •	651
03-35	56.7	17.6	10.4	15.1	.1	25.6		823
06-08	39.7	24.7	18.1	17.2	.3	35.6	.4	1451
09-11	38.3	25.0	17.8	18.8	.1	36.8	.1	1450
12-14	32.1	27.9	18.6	21.4		40.0	_1	1394
15-17	31.2	26.2	20.1	22.5		42.6		1076
18-20	42.7	19.2	20.0	18.1		38.1		813
21-23	54.7	18.7	11.4	15.2		26.5		651
ALL	41.7	23.3	16.7	18.2	.1	35.0	.1	8309

p - 3 - 5

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOUSELY OBSERVATIONS

STATION HAMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: NOV HOURS:ALL

				ATRHAY CL	ASSES			
HOURS	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCUPATION	TOTAL 08S
00-02	35.1	21.0	12.1	31.7	.2	44.0	• • • • • • • • • • • • • • • •	630
03-05	37.2	17.6	13.4	31.3	.4	45.1		709
06-08	27.2	20.8	19.7	31.9	.5	52.1	.3	1325
09-11	18.8	22.5	22.9	35.3	.5	58.8	.9	1358
12-14	16.1	26.1	24.0	33.5	.3	57.8	.6	1333
15-17	15.6	23.8	23.9	36.5	.1	60.6	.3	1065
18-20	23.6	19.2	19.3	38 .0		57.3		777
21-23	31.0	19.2	13.7	36.0	.2	49.8		630
ALL HOURS	23.7	21.8	19.9	34.3	.3	54.4	.3	7827

MONTH: DEC HOURS: ALL

00-02	30.6	16.4	14.7	36.9	1.4	53.0	••••••	651
03-05	30.1	16.9	14.3	37.6	1.2	53.1		735
06-08	20.4	20.5	17.8	39.2	2.1	59.1	2.9	1304
09-11	11.9	21.2	20.3	44.4	2.2	66.9	2.8	1340
12-14	13.3	18.8	22.8	43.3	1.7	67.8	1.3	1327
15-17	13.9	19.3	20.7	45.2	.9	66.8	.5	1105
18-20	24.2	17.5	15.9	42.1	.4	58.3		744
21-23	29.6	15.4	15.2	39 .0	.8	55.0		651
ALL HOURS	19.7	18.8	18.5	41.5	1.5	61.5	1.2	7857

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM NOURLY OBSERVATIONS

STATION NAME: DUGMAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: ALL HOURS: ALL

				AIRMAY CL	ASSES			
(LSY)	CLEAR	9;:*TFRED	BROKEN	OVERCAST	TOTAL OBSCURATION	GY 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	42.6	21.6	14.1	21.5	.2	35.8	• • • • • • • • • • • • • • • • • • • •	7518
03-05	41.2	7.2.5	14.2	21.9	.2	36.3		9330
06-68	29.2	25.8	19.5	24.9	.6	45.0	.9	17099
09-11	26.1	26.5	20.0	26.7	.7	47.4	.9	17383
12-14	21.1	29.0	22.4	27.1	.5	49.9	.7	16838
15-17	18.9	26.8	24.0	29.9	.3	54.2	.4	13142
18-20	25.5	23.3	21.4	29.8	.1	51.3		9294
21-23	35.7	22.4	17.9	23.8	.1	41.8		7517
ALL HOURS	26.2	25.5	19.8	26.1	.4	46.3	.5	98121

PPPPP	РРР	AAAAA		RRRR	RRRR	**********	EEEEEEEE
PPPPP		M	AAAAAAA		rrrr	TTTTTTTTT	EEEEEEEEE
PP	PP	AA	M	RR	RŘ	TT	EE
PP	PP	AA	AA	RR	. RR	ΥT	EE
PPPPP	PPPP	AA	AA	RRRR	RRRRR	TT	EEEEEE
PPPP	PPP	ww	MAMA	RRRR	RRRR	TT	EEEEEE
PP		ww	www	RR	RR	TT	EE
PP		*	AA	RR	RR	- 11	€E .
PP		AA	M	RR	RR	TT	EEEEEEEE
ÞÐ		**	AA	RR	ER	TT .	EEEEEEEEE

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PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE -- CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. CATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WOLE YEAR. DATA IS DISPLAYED USING S-DEGREE FARRENHEIT INCREMENTS (GE. 0, GE. 5, GE. 10, ETC). THERE IS ONE SPECIAL THRESHOLD FOR MEE 33M DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUMAND MINIMUM TEMPERATURES
CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AMS FORMS 10/10A GR FROM AUTOMATED
DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY"
PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMP-ERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH OME OR MORE MISSING AMB/CR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEARS) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.
THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS - DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.
THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO
APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29,
"ENGINEERING MEATHER DATA," AND AMSP 105-56, "METEOROLOGICAL TCHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FHH-18). AS A RESULT, WINTER MEAN DEW POINTS (AND NORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, NEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE NEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUBMARIES REPRESENT THE "HIGH" AND "LOW"
TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUBMARIES
ARE INFLUENCED BY THE ABSENCE OF MIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUBMARIES
MAY DEPICT A SLIGHT "MARM" BIAS.

TEMPERATURE CONVERSIONS:

F = 1.8C + 32

C = K - 273.0 (BEFORE 5 APRIL 77) C = K - 273.2 (SIMCE 5 APRIL 77)

RELATIVE MUNIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE
HUMIDITY FOR 10% INCREMENTS. NEARS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED.
THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS CONSINED).
- BY MONTH (ALL YEARS AND ALL HOURS CONSINED).
- . BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110	STATION NAME: DUGWAY PROVING GROUNDS UT	PER100 OF RECORD: 4306-4601,4912-7606,8407-9004
	LST TO UTC: +C/	MONTH ALL HOUSE ALL

		L	st to ut	C: +07					HON	TH: ALL	HOURS	ALL	
₽ G-F)	JAN	FEB	MAR	APR	HAY	JUN	JUL	AUG	CEP	ОСТ	NOV	DEC	ANN
105 100 95 90 85 80 75 70 65 60 55 50 45 40 35 33 30 25 20 15 10 5	.1 1.2 4.7 11.9 24.5 41.7 60.5 63.0 79.9 91.7 96.7 99.1 99.7	.1 1.6 6.7 17.0 30.9 48.8 67.6 83.0 87.4 93.2 97.8 99.3	.2 1.2 4.9 13.3 25.1 40.0 57.6 74.0 87.1 95.6 97.4 99.8 100.0	.1 1.0 4.5 14.7 26.8 42.2 59.4 75.3 86.9 94.8 98.1 99.8 100.0	.1 3.8 15.0 32.0 51.7 67.7 77.0 87.8 94.8 97.5 99.5	.2 2.5 12.5 31.7 50.0 66.8 79.3 28.3 94.9 97.5 99.7 99.9	.9 13.6 48.3 80.6 94.5 99.0 99.7 100.0	4.0 30.9 68.8 85.5 94.0 97.7 99.3 99.8 100.0	.2 3.6 16.4 39.2 59.7 73.4 84.5 92.7 96.3 99.4 99.8 100.0	2.4 12.2 27.2 46.5 63.4 78.2 88.2 94.3 99.7 99.8 99.8 99.9 100.0	.2 1.9 7.6 20.9 37.6 52.0 83.6 94.8 96.4 98.5 99.6	.3 2.6 10.8 26.3 48.5 69.6 75.5 84.0 94.9 98.6 99.4 99.8	1.7 8.1 17.1 24.3 31.0 37.3 49.5 56.1 63.2 70.0 77.6 85.3 91.7 93.5 96.1 98.5 99.9
 	37.5 9.87	44.3 9.96	52.0 10.53	62.1 10.87	73.3 10.70	83.2 10.34	93.8 5.42	90, <i>9</i> 6.32	80.2 9.76	67.4 10.29	50.2 10.22	38.7 8.73	64.5 21.55
	952	825	89	862	847	870	894	918	862	891	850	 881	10541

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT FROM SUMMARY OF DAY DATA

TATION MUMPS	ER: 6901		ION MARE ST 10 UT		PROVING	GROUNDS	UT	PERIO		MD: 4306 Wil: All		12·7606,8 5: ALL	407· 900 4
TEMP (DEG-F)	JAH	FEB	HAR	APR	MAY	JUN	JUL	AUG	SEP	120	MOV	DEC	AN
25 25 25 25 25 25 25 25 25 25 25 25 25 2	.6 2.1 6.7 95.2 30.3 44.6 55.0 69.8 90.4 96.2 98.4 99.8	.2 .9 3.2 11.3 16.4 29.5 52.9 72.0 84.6 90.3 94.2 97.3 98.8 99.6 99.8 100.0	.1 .4 2.0 7.9 19.8 28.3 46.9 69.8 85.2 95.1 98.6 99.3 99.9 99.9	1.3 5.3 14.5 32.6 57.0 67.3 82.1 94.5 99.1 99.8 100.0	.4 3.0 13.0,5 55.5 78.9 92.0 94.7 97.5 99.6 100.0	.1 1.8 7.7 23.4 47.5 71.5 89.0 96.8 99.3 99.7 100.0	,1 ,2 13.6 38.3 70.5 91.5 99.8 99.9 99.9 99.9	.8 6.7 30.8 59.0 80.3 92.6 98.1 99.7 100.0	.2 3.2 11.1 24.6 45.6 67.7 85.3 94.4 96.5 98.7 100.0	.1 .9 3.5 8.2 19.6 39.2 63.2 73.6 86.8 97.0 99.9 100.0	.1 .1.6 4.6 9.5 19.4 25.9 40.9 40.4 91.8 97.8 99.2 99.5 100.0	.1 .6 2.3 5.9 9.0 16.0 31.6 49.9 69.7 84.9 97.4 99.1 99.3 99.8 100.0	16 1422 3746 3746 5559 677785 9194 9999 9999 100100
MEAN	16.5	23.6	28.2	36.3	 45.5	53.7	62.6	60.3	48.5	37.8	27.1	19.4	38.

847 869 891 916 862 891 849 880 10576

12.58 10.30 8.16 7.58 7.75 7.54 6.09 6.88 8.69 7.90 9.56 10.06

952 843 911 865

17.61

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRSHHEIT FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT LST TO UTC: +07

PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004 MONTH: ALL HOURS: ALL

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	****
• • • • • • • • •								JLF	001	HOT	565	ANN
.8 4.6 13.1 26.2 33.1 42.0 58.7 76.0 88.1 95.9 98.4 99.6	.2 3.6 11.4 29.2 51.4 60.5 72.5 86.2 92.0 97.0 98.8 99.4 99.8 100.0	.1 .6 3.8 14.5 31.3 54.3 75.6 89.7 96.7 99.3 99.9	.3 3.7 11.4 25.6 48.7 73.1 88.7 97.4 98.4 99.7 100.0	.1 1.8 12.0 30.3 54.7 73.0 87.5 94.8 98.9 100.0	1.0 7.6 26.6 48.9 69.9 85.3 94.9 99.3 100.0	.4 8.2 41.4 81.6 96.7 99.9 109.0	2.1 27.5 65.9 87.1 98.7 98.7 99.7 100.0	.7 11.6 29.5 53.6 73.1 87.4 95.9 98.8 100.0	.1 1.2 6.3 20.0 42.9 66.2 85.2 95.1 99.6 99.8 100.0	.1 .1 .2 3.5 10.2 26.7 50.8 66.8 74.8 85.7 96.1 98.1 98.9 99.8 100.0	.1 .9 3.5 12.4 27.9 36.2 49.7 72.0 88.0 96.3 98.6 99.2 99.4	
27.1 10.53	34.1 9.37	40.3 8.31	49.5 8.02	59.7 8.39	68.7 8.07		75.8 5.56	64.6 8.18	 52.9 7. <i>7</i> 3	38.9 8.87	29.4 8.80	51.6 19.11
951	825	880	862	847	869	891	916	862	891		881	10533
	4.6 13.1 26.2 33.1 42.0 58.7 76.0 88.1 95.9 98.4 99.6 100.0	.8 3.6 4.6 11.4 13.1 29.2 26.2 51.4 33.1 60.5 42.0 72.5 58.7 86.2 76.0 92.0 88.1 97.0 75.9 98.8 98.4 99.4 99.6 99.8 100.0 100.0	.2 3.8 .8 3.6 14.5 .4.6 11.4 31.3 .13.1 29.2 54.3 .26.2 51.4 75.6 .33.1 60.5 81.8 .42.0 72.5 89.7 .58.7 86.2 96.7 .76.0 92.0 99.3 .88.1 97.0 99.9 .55.9 98.8 100.0 .98.4 99.4 .99.6 99.8 .100.0 100.0 .27.1 34.1 40.3 .10.53 9.37 8.31	.1 3.7 .6 11.4 .2 3.8 25.6 .8 3.6 14.5 48.7 4.6 11.4 31.3 73.1 13.1 29.2 54.3 88.7 26.2 51.4 75.6 97.4 33.1 60.5 81.8 98.4 42.0 72.5 89.7 99.7 76.0 92.0 99.3 88.1 97.0 99.9 95.9 98.8 100.0 98.4 99.4 99.6 99.8 100.0 100.0	3 12.0 .1 3.7 30.3 .6 11.4 54.7 .2 3.8 25.6 73.0 .8 3.6 14.5 48.7 87.5 4.6 11.4 31.3 73.1 94.8 13.1 29.2 54.3 88.7 98.9 26.2 51.4 75.6 97.4 100.0 33.1 60.5 81.8 98.4 42.0 72.5 89.7 99.7 58.7 86.2 96.7 100.0 76.0 92.0 99.3 88.1 97.0 99.9 95.9 98.8 100.0 98.4 99.4 99.6 99.8 100.0 100.0	3. 12.0 48.9 .1 3.7 30.3 69.9 .6 11.4 54.7 85.3 .2 3.8 25.6 73.0 94.9 .8 3.6 14.5 48.7 87.5 99.3 4.6 11.4 31.3 73.1 94.8 100.0 13.1 29.2 54.3 88.7 98.9 26.2 51.4 75.6 97.4 100.0 33.1 60.5 81.8 98.4 42.0 72.5 89.7 99.7 58.7 86.2 96.7 100.0 76.0 92.0 99.3 88.1 97.0 99.9 95.9 98.8 100.0 98.4 99.4 99.6 99.8 100.0 100.0	3 12.0 48.9 96.7 1 3.7 30.3 69.9 99.4 6 11.4 54.7 85.3 99.9 8 3.6 14.5 48.7 87.5 99.3 4.6 11.4 31.3 73.1 94.8 100.0 13.1 29.2 54.3 88.7 98.9 26.2 51.4 75.6 97.4 100.0 33.1 60.5 81.8 98.4 42.0 72.5 89.7 99.7 58.7 86.2 96.7 100.0 76.0 92.0 99.3 88.1 97.0 99.9 95.9 98.8 100.0 98.4 99.4 99.6 99.8 100.0 100.0 27.1 34.1 40.3 49.5 59.7 68.7 78.4 10.53 9.37 8.31 8.02 8.39 8.07 4.65	3 12.0 48.9 96.7 87.1 3.7 30.3 69.9 99.4 95.7 68.1 1.4 54.7 85.3 99.9 98.7 6.6 11.4 54.7 85.3 99.9 98.7 8.8 3.6 14.5 48.7 87.5 99.3 100.0	.1 3.7 30.3 69.9 96.7 87.1 29.5 6.7 11.4 31.3 73.6 69.9 99.4 92.7 53.6 6.6 11.4 54.7 85.3 99.9 98.7 73.1 29.5 11.4 54.7 85.3 99.9 98.7 73.1 29.5 11.4 54.7 85.3 99.9 98.7 73.1 29.5 11.4 54.8 11.4 31.3 73.1 94.8 100.0 95.9 100.0 95.9 100.0 95.9 100.0 95.9 100.0 95.9 100.0 95.9 100.0 95.9 100.0 95.9 100.0 95.9 100.0 95.9 100.0 95.9 100.0 95.9 100.0 95.9 100.0 95.9 100.0 95.9 100.0 95.9 95.7 86.2 96.7 100.0 99.7 58.7 86.2 96.7 100.0 99.9 95.9 98.8 100.0 99.8 100.0 99.8 100.0 100.			. 3 12.0 48.9 96.7 87.1 29.5 1.2 .1 .1 3.7 30.3 66.9 99.4 95.7 53.6 6.3 .1 .6 11.4 54.7 85.3 99.9 98.7 73.1 20.0 .2 .2 3.8 25.6 73.0 94.9 109.0 99.7 87.4 42.9 3.5 .1 .8 3.6 14.5 48.7 87.5 99.3 100.0 95.9 66.2 10.2 .9 4.6 11.4 31.3 73.1 94.8 100.0 95.9 66.2 10.2 .9 4.6 11.4 31.3 73.1 94.8 100.0 95.8 85.2 26.7 3.0 13.1 29.2 54.3 88.7 98.9 100.0 95.6 50.8 12.4 26.2 51.4 75.6 97.4 100.0 99.1 66.8 27.9 33.1 60.5 81.8 98.4 42.0 72.5 89.7 99.7 58.7 86.2 96.7 100.0 99.8 85.7 49.7 58.7 86.2 96.7 100.0 99.9 76.0 92.0 99.3 88.1 97.0 99.9 75.9 98.8 100.0 99.9 75.9 98.8 100.0 99.9 75.9 98.8 100.0 99.9 75.9 98.8 100.0 99.9 75.9 99.8 100.0 99.9 75.9 99.8 100.0 99.9 75.9 99.8 100.0 99.9 75.9 99.8 100.0 99.9 75.9 99.8 100.0 99.9 75.9 99.8 100.0 99.9 75.9 99.8 100.0 99.9 75.9 99.8 85.7 49.7 100.0 99.2 100.0 99.2 100.0 99.2 100.0 99.2 100.0 99.2 100.0 99.2 100.0 99.2 100.0 99.2 100.0 99.2

MONTHLY MAXIMUM TF PERATURES IN FAHRENHEIT FROM SUMMARY OF DAY DATA

STATION MU	MEER: 690110		CON NAME:		PROVING (ROUNDS (JT .	PER I CO		RD: 4306- HTH: ALL	4601,49 HOURS		8407-9004
YEAR	j JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	HOV	DEC	ANNUAL
43	· · · · · · · · · · · · · · · · · · ·	• • • • • • •			•••••	97*	105	99	95	87	66	50	105*
44	43	52	62	71	85	97	100	97	95	82	64	53	100
45	60	63	67	81	85	95	106	96	97	83	73	52*	106*
46	50												50*
49	1											54*	54*
50	(63	70				99	108	99	101	87	66	51	108*
51	55	69	70	78	97	93	102	100	92	81	64	52	102
52	48	54	63	81	85	95	102	103	95	87	61	55	103
53	66	65	74	83	79	98	105	99	96	87	70	49	105
54 55	57	63	68	82	94	107	106	104	96	85	67	51	107
55	42	46	69	76	86	99	103	102	100	83	66	60	103
5 6 57	58	58	80	79	92	102	101	97	96	84	67	54	102
57	55	60	65	73	84	99	101	100	94	85	55	55	101
58	52	68	60	77	94	101	101	101	96	84	74	55	101
59	60	55	66	87	90	100	102	99	95	80	65	51	102
50	48	58	76	82	93	95	104	101	92	86	68	59	104
61	54	65	69	78	88	101	100	98	91	82	57	53	101
65	57	62	71	85	88	99	99	100	93	85	66	54	100
63	54	64	71	79	86	93	100	100	94	89	67	43	100
64	45	55	75	79	90	95	100	98	90	85	65	61	100
65	59	64	72	82	85	94	98	99	88	87	72	49	99
66	54	56	76	80	92	99	101	99	94	80	65	56	101
67	49	61	70	71	92	93	101	99	93	81	73	45	101
68	49	61	77	80	89	100	101	97	92	77	55	55	101
69 70	57	55	77	81	92	93	100	100*	93*	78*	67*	48*	100*
70	62*	•	٠	•	•	•	*	•	•	•	*	1	62*
71	50*	52*	80*	74*	82*	97*	97*	94*	88*	76*	65*	43*	97*
72	51*	68*	70*	74*	92*	104*	101*	104*	89*	76*	60*	52*	104*
73	44*	55*	57*	76*	87*	94*	104*	100*	89*	*53	78*	53*	104*
74	58*	594	65*	80*	84*	101*	98*	93*	59 *	21*	58*	52*	101*
75	42*	59*	63*	66*	84*	90*	98*	98*	84*	*03	64*	56*	98*

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004 LST TO UTC: +07 PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	MOV	DEC	ANNUAL
76	55*	64*	68*	72*	89*	100*		• • • • • • • •	••••••	• • • • • • •	•••••		100*
84 85	35*	52*	61*	95*	90*	97*	100* 104*	99* 96*	86*	74*	70*	48* 52*	100° 104°
86 87 88 89 90	46° 53* 41° 50* 63*	69* 57* 64* 60*	75* 67* 72* 78* 73*	83* 85* 83* 87* 78*	88* 92* 90*	98* 101* 102*	101* 104* 109*	100* 101* 101* 103*	88* 97* 97* 96*	77* 84* 88*	64* 64* 75* 69*	48* 63* 58* 55*	101* 101* 104* 109* 78*

•••••				• • • • • • • • • • • • • • • • • • •	<i></i>								• • • • • • • •	• • • • • • •
GREATEST	66	70	80	95	97	107	109	104	101	89	78	63	109	
TOTAL OBS	952	825	889	862	847			 894	918	862	891	850	881	10541

THE GREATEST VALUE OF 109 OCCURRED ON 07/19/89

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT FROM SUMMARY OF DAY CATA

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004 LST TO UTC: +07 PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004

ALL	HOURS:	TH: ALL	MON					: +07	TO UTC	LS		
DEC A	NOV	ост	SEP	AUG	JUL	JUN	MAY	APR	MAR	FEB	MAL	YEAR
6	16	27	40	39	50	42*	• • • • • • • •	••••••		• • • • • • • •	• • • • • • • • • • •	43
4	13	29	33	44	49	42	30	26	5	-3	- 15	44
0*	14	20	27	47	47	37	32	14	5	12	5	45
											3	46
-1*												49
23	6	28	34	47	46	33				.5	-5	50
2	8	22	38	49	49	34	30	18	13	-3	-3	51
3	-8	25	37	50	46	42	35	26	-6	13	-5	52
3	10	27	42	49	53	37	25	16	18	7	19	53
3	16	25	30	46	41	31	26	27	10	15	3	54
11	٠5	27	35	52	49	41	59	22	12	-7	-11	55
-3	5	26	29	49	54	45	32	22	15	-11	-4	56
9	11	23	33	57	54	43	37	30	19	10	-10	57
12	-4	20	28	55	52	44	28	27	12	20	9	58
4	9	29	31	50	47	38	29	21	16	2	.2	59
19	15	17	41	42	58	41	33	21	12	2	-14	60
·1	1	26	31	58	56	44	25	24	19	11	1	61
•5	15	32	36	40	50	36	35	26	15	-6	-15	62
٠5	18	29	45	54	54	39	37	18	1	8	-16	63
4	15	25	33	39	54	44	28	26	3	9	٠2	64
0	16	30	27	43	56	44	26	31	6	13	10	65
-1	11	22	42	47	54	40	34	17	1	5	1	66
0	16	24	32	55	58	42	27	25	16	11	4	67
-10	14	24	28	39	27	33	24	24	50	18	1	68
8*	15*	24*	40*	52*	46	41	38	27	16	7	5	69
•	*	•	•	*	•	•	•	13*	16*	17*	-1*	70 j
6*	10*	24*	27*	47*	54*	40*	32*	22*	8*	22*	-14*	71
-15*	18*	23*	30*	43*	50 *	47-	21*	27*	9*	2*	1*	72
23*	13*	24*	35*	47*	51*	35*	32*	50*	24*	3*	-6*	73
10*	50*	56.	31*	41*	52*	49*	33*	55+	16*	15*	0*	74
1*	15*	21*	34*	40*	51*	37*	29*	17*	12*	5*	-3*	75

MONTHLY MINIMUM TEMPERATURES IN FAMRENHEIT FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004 LST TO UTC: +07 PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004

ANNUAL	OEC	NOV	OCT	SEP	AUG	JUL	JUN	MAY	APR	MAR	FEB	JAN	EAR
12*	• • • • • • • • •	• • • • • • • •	• • • • • • • •	*			31*	38*	24*	13*	15*	12*	76
0*	0*				57*	53*						i	84 4 85
-16*	-1*	5*	29*	30*	43*	54*	40*	29*	24*	10=	·16*	- 12*	85
0*	2*	13*	27*	30*	54*	55*	44*	32*	27*	28*	14*	0*	86
-7*	-2*	15*	25*	304	47*				23*	14*	20*	-7*	87
-17*	-17*	15*	30*	29*	48°	49*	42*	21*	22*	17*	-4*	- 16*	88 [
-27*	7*	13*	22*	30*	47*	54*	37*	39*	28*	23*	-27*	-9-	89
-6*	•			•	•••		•	•	22*	17*	4.	-6*	90

	• • • • • • •	• • • • • • •		• • • • • • •		• • • • • • •	• • • • • •	• • • • •	• • • • • • • •	• • • • • •	• • • • • • •		• • • • • • • •	• • • • • • •
LEAST	- 16	-27	-6	13	21	31	27	39	27	17	-8	-17	-27	
TOTAL OBS									916				880	10576

THE LEAST VALUE OF -27 OCCURRED ON 02/08/89

NOTE: "THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

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HONTHLY MEAN TEMPERATURES IN FAHRENHEIT FROM SUMMARY OF DAY DATA

STATION NUMBER: 690110 STATION NAME: DUGNAY PROVING GROUNDS UT PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004 LST TO UTC: +07 MONTH: ALL HOURS: ALL YEAR JAN APR MAR FER MAY JUN JUL ALIG SEP OCT MOV DEC ANNUAL 73 54 34* 51* 27* 50 27* 34 27* 53* 77 50 52 53 32 36 37 24 68 40 33 53 53 54 55 43 39 38 47 69 77 53 44 27 48 58 78 54 37 35 50 79 77 79 52 54 53 57 58 59 60 33 24 29 34 22 40 42 35 31 44 39 41 44 50 48 52 58 65 57 52 54 52 52 73 74 36 37 79 75 27 63 40 30 35 38 40 36 37 52 52 51 52 79 80 78 24 34 28 83 64 65 64 66 67 78 75 74 69 63 60 59 54 55 40 **38** 21 25 34 45 48 52 63 58 56 28 27 34 34 52 51 53* 34* 37 40 34 44 44 38 67 62 68* 54 52 47* 57 57 67 68 69 70 69 78 70 26 38* 79* 32* 29° 31* 42° 43° 37° 46° 37° 58* 57* 62* 60* 51* 68* 72* 69* 74* 62* 35* 76* 58* 48* 51* 50* 38* 27* 36* 33* 34* 34* 48° 49° 50° 41° 74* 77* 70* 71* 38* 43* 40* 37* 52* 52* 53* 49* 62* 62* 61* 52° 49° たなれた 19* 50° 50° 36* 33* 48* 50+ 34*

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 4306-4601,4912-7606,8407-9004 STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT LST TO UTC: +07 MONTH: ALL HOURS: ALL YEAR JAN MAR APR JUN FER MAY JUL SEP . OCT NOV DEC ANNUAL 37* 64* 76 31* 38* 400 68* 48* 26* 594 85 19* 27* 38* 56* 62* 70* 80* 76* 61* 454 33* 24* 50= 42* 37* 32* 57* 24* 51* 46* 74* 75* 79* 59* 24* 52* 21* 43° 39° 87 55* 74* 64* 60* 53* 57* 39° 42° 46* 17* 60* 88 53* 73* 79* 76* 25* 52* 89 24* 48* 20* 54* 60* 68* 30° 90 32* 53* MEAN 27.1 34.1 40.3 49.5 59.7 68.7 78.4 75.8 64.6 52.9 38.9 29.4

NOTE: "THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

TOTAL 08S | 951 825 889 862 847 869 891 916 862 891 849

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881 10533

DRY BULB TEMPERATURE SUMMARY FROM MOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT

PERICO OF RECORD: MAY 60 - APR 90

		LSI	1 10 UTC: + 7		MONTH	HAL:			-
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL C#8	LE O	R OF HOUR LE 32	S WITH	TEMPERATURES GE 80 GE	DEG F	TOTAL KOURS
00-02	21.5	11.156	651	17	555	0	0	0	651
03-05	20.5	12.069	734	27	620	0	٥	0	734
06-08	19.0	12.946	1435	98	1222	0	0	0	1435
09-11	24.8	11.469	1473	31	1115	0	0	0	1473
12-14	33.0	9.729	1459	1	737	0	0	0	1459
15-17	35.2	9.581	1178	0	494	0	0	Ū	1178
18-20	28.5	9.411	744	6	503	0	0	ð	744
21-23	24.0	10.833	651	14	526	0	0	0	651
ALL HOURS	26.3	12.468	8325	194	5772	G	0	0	8325
					HONTH	: FEB			
00-02	29.5	9.145	591	0	384	0	C	0	591
03-05	27.8	9.160	652	2	470	0	O	0	652
06-08	26.1	10.581	1315	25	996	0	0	0	1315
09-11	33.3	9.746	1353	6	596	0	0	0	1353
12-14	40.9	9.751	1336	0	252	3	0	o	1336
15-17	43.3	10.080	1079	0	162	6	0	0	1079
18-20	38.5	8.566	678	0	165	0	0	0	678
21-23	32.4	8.523	591	o	293	C	0	0	591
ALL HOURS	34.4	11.487	7595	33	3318	9	0	0	7595

E - 5 - 1 - 1

DRY BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: MAR **29UOH** STANDARD MEAN TOTAL MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL DEVIATION LST 08\$ LE 0 LE 32 GE 65 GE 80 GE 93 HOURS 00-02 32.8 8.787 03-05 30.6 8.904 C 06-08 31.5 8.915 09-11 41.6 9.591 12-14 10.191 48.5 15-17 50.9 10.914 18-20 45.5 10.525 21-23 37.4 9.209 ALL 12.270 40.9 HOURS HONTH: APR 00-02 43.9 8.687 03-05 39.9 8.333 06-08 41.0 8.660 09-11 52.2 10.320 58.1 12-14 11.447 15-17 59.5 11.643 18-20 54.4 10.924 21-23 9.097 48.3 C ALL HOURS 50.5 12.546

DRY BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90

			LST TO UTC: +	7		HONTH	: MAY			/ •
HOURS	MEAN	STANDARD DEVIATIO	N 088		LE 0	OF HOUR		TEMPERAT GE 80	URES DEG GE 93	F TOTAL HOURS
00-02	53.7	9.019			0	7	83	0	0	651
03-05	48.8	8.449	873		0	27	19	0	0	873
06-08	52.3	9.609	1525		0	30	160	0	0	1528
09-11	64.2	10.859	1524		0	1	798	99	0	1524
12-14	70.1	11.619	1460		0	1	1025	351	1	1460
15-17	71.9	11.710	1101		0	0	812	325	3	1101
18-20	66.9	11.640	837		0	0	513	123	0	837
21.53	59.5	9.873	651		0	1	222	3	0	651
ALL HOURS	61.6	13.314	8625		٥	67	3632	901	4	8625
						MONTH	t: JUN			
00-02	62.9	8.384	630	•••••	0	0	271	16	0	630
03-05	56.9	7.984	853		0	2	138	1	0	853
66-08	61.2	9,008	1497		0	0	519	31	0	1497
09-11	73.4	10.127	1505		0	0	1198	473	23	1505
12-14	79.3	11.053	1435		0	0	1284	758	175	1435
15-17	80.5	11.295	1067		0	0	949	616	157	1067
18-20	77.2	11.360	810		0	0	677	372	57	810
21-23	68.9	9.204	: :30		0	0	424	76	0	630
ALL HOURS	70.7	13.056	8427		Ü	2	5460	2343	412	8427

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DRY BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION	NUMBER:	i	STATION NAME: LST TO UTC: +	7				H	ER 100 WONTH:		ECORD:	MAY 6	0 · A	PR 90
HOURS LST	MEAN	STANDARD DEVIATIO	N OBS			MEAN	MAMBER LE 0	OF LE	32	WITH GE 65	TEMPERA GE 80			F TOTA
00-02	73.1		651	•••••	••••••	•••••	0	• • • •		610	82	·····		65
03-05	66.7	6.213	850				0		0	515	10)	0	85
06-08	69.9	6.992	1468				0		0	1136	119	,	0	146
09-11	83.2	6.195	1486				0		0	1479	1118	3	65	148
12-14	90.0	5.978	1411				0		0	1406	1337	,	508	141
15-17	92.2	6.142	1074				0		0	1073	1032	!	610	107
18-20	88.4	6.307	837				0		0	836	766	•	234	83
21-23	79.0	5.501	651				0		0	646	330)	0	65
ALL HOURS	8 0.9	11.010	8428	••••			0		0	7701	4794	. 1	417	842
									ONTH:	AUG				
00-02	69.5	7.363		- · · · · · ·	• • • • • • •	•••••	0	••••	0	509	29	,		65
03-05	63.9	7.448	850				0		0	446	c)	C	85
06-08	65.3	8.158	1476				0		0	848	25	i	0	147
09-11	79.6	7.506	1494				C		0	1425	850)	18	149
12-14	87.1	7.290	1428				0		0	1406	1246	S	327	142
15-17	88.7	7.779	1074				٥		0	1063	941		395	107
18-20	83.4	8.461	810				0		0	791	585	j	88	81
21-23	74.7	7.522	651				0		0	581	176	}	ŭ	55
ALL	77.2	12.096	8434				e		0	7069	3852	?	828	843

E - 5 · 1 - 4

HOURS

53.0

13.213

DRY BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NAME: DUGWAY PROVING GROUNDS UT STATION NUMBER: 690110 PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: SEP HOURS STANDARD HEAN TOTAL MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL LST DEVIATION 085 LE 0 LE 32 GE 65 GE 80 GE 93 HOURS 20-00 58.3 8.729 630 0 161 0 630 03-05 53.2 8.924 814 0 13 85 0 0 814 06-03 52.7 9.588 1391 0 24 162 0 0 1391 09-11 67.6 9.831 1393 880 147 0 1393 12-14 75.4 1333 10.262 0 1115 ٥ 554 10 1333 15-17 78.2 9.947 1013 0 0 904 557 18 1013 18-20 72.4 9.605 780 627 192 0 780 21-23 63.3 8.696 630 0 310 10 0 630 ALL 13.510 7964 HOURS | 65.6 ٥ 38 4244 1461 28 7984 MONTH: OCT 50-00 46.2 8.670 651 Ö 19 26 0 651 822 03-05 42.5 9.088 ŋ 97 9 0 0 822 80-90 40.9 9.388 1451 0 276 12 1451 09-11 9.974 1450 0 54.4 12 5 0 249 1450 62.7 1394 12-14 10.612 C 3 655 70 Û 1394 15-17 65.1 10.884 1075 0 806 1075 57.8 813 18-20 9.868 0 1 212 813 50.6 7 21-23 8.415 651 0 51 0 ٥ 651 ALL

E - 5 - 1 - 5

422

1815

171

0

8307

DRY BULB TEMPERATURE SUMMARY FROM HOURLY OSSERVATION

STATION NAME: DUGWAY PROVING GROUNDS UT STATION NUMBER: 690110 PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: NOV MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL MEAN STANDARD TOTAL HOURS LE 0 LE 32 GE 65 LST DEVIATION 088 GE 80 GE 93 HOURS 247 00-02 8.931 35.4 630 0 630 03-05 33.3 9.389 709 0 342 0 0 0 709 80-30 31.6 9.878 1322 ٥ 755 0 ٥ û 1322 09-11 40.3 9.831 1357 0 310 9 0 0 1357 12-14 48.2 10.036 1333 0 78 63 0 0 1233 15-17 49.5 9.935 1064 ٥ 41 63 0 Ġ 1064 42.3 777 18-20 8.882 0 118 0 ٥ ٥ 777 630 21-23 37.7 8.831 185 0 630 HOURS 40.4 11.595 7822 2076 o 134 ۵ ۵ 7822 MONTH: DEC 00-02 24.7 10.036 651 5 522 0 כ 0 651 03-05 23.3 10.286 735 7 618 ٥ 0 0 735 66-08 22.1 10.768 1300 25 1102 0 0 0 1300 09-11 27.7 9.648 1340 938 0 Û 1340 12-14 35.0 8.948 1326 o 517 0 0 ۵ 1326 15-17 8.602 35.4 1105 C 422 0 0 0 1105 18-20 29.2 8.468 744 490 0 744 651 21-23 9.436 509 C 0 0 26.2 651 ALL 7852 HOURS | 28.4 10.805 5118 0 0 0 7852

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DRY BULB TEMPERATURE SUMMARY FROM HOURLY DESERVATIONS

STATION NAME: DUGMAY PROVING GROUNDS UT LST TO UTC: + 7 STATION NUMBER: 690110

PERICO OF RECORD: MAY 60 - APR 90 MONTH: ALL

HOURS	MEAM	STANDARD DEVIATION	TOTAL OBS		UMBER E 0	OS HOUR	S WITH GE 65	TEMPERATI	URES DEG 1 GE 93	F TOTAL HOURS
00-02	46.2	19.142	7518	•••••••	22	2061	1659	128	Ó	7518
03-05	43.4	17.489	9329		36	2732	1212	11	0	9329
06-08	43.3	19.179	17087		148	5453	2841	175	0	17087
09-11	54.0	21.618	17376		41	3249	6251	2597	106	17376
12-14	60.9	21.443	16822		1	1673	7497	4356	1021	16822
15-17	62.1	21.629	13137		0	1160	6044	3604	1183	13137
18-20	57.9	22.063	9294		7	1360	3842	2046	379	9294
21-23	50.4	20.354	7517		18	1728	2267	595	0	7 517
ALL HOURS	52.9	21.831	98080	;	273	19416	31613	13612	2689	9802

WET BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION-NUMBER: 690110 STATION HAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90

		LST	1 to utc: + 7	MONTH: JAN
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL CSS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL LE 32 GE 50 GE 67 GE 73 GE 80 HOURS
00-02	19.8	10.177	651	591 0 0 0 0 651
03-05	19.0	11.034	734	655 O 0 0 O 734
06-08	17.5	11.820	1433	1288 0 0 0 0 1433
09-11	22.4	10.154	1472	1248 0 0 0 0 1472
12-14	28.6	8.098	1458	1002 0 0 0 0 1458
15-17	30.3	7.761	1177	735 1 0 0 0 1177
18-20	25.5	8.224	744	619 0 0 0 0 744
21-23	21.8	9.795	651	574 0 0 0 0 651
ALL HOURS	23.5	10.783	8320	6712 1 0 0 0 8320
				MONTH: FEB
00-02	26.8	7.959	591	454 0 0 0 0 591
03-05	25.5	8.224	652	528 0 0 0 0 652
30-60	24.1	9.586	1313	1102 0 0 0 0 1313
09-11	29.6	8.247	1345	848 1 0 0 0 1345
12-14	34.6	7.549	1333	499 17 0 0 0 1333
15 • 17	36.0	7.466	1078	338 27 0 0 0 1078
18-20	33 .2	6.936	678	319 0 0 0 0 678
21-23	28.8	7.313	591	411 0 0 0 0 591
ALL HOURS	30.1	9.119	7581	4499 45 0 0 0 7581

WET BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: NAY 60 - APR 90 LST TO UTC: + 7 HONTH: MAR HOURS MEAN STANDARD TOTAL MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F. TOTAL LST LE 32 GE 50 GE 67 GE 73 GE 80 DEVIATION 280 HOURS 28.6 7.211 399 00-02 591 0 0 0 591 03-05 27.2 7.436 693 514 ٥ á93 0 0 0 7.434 80-60 28.4 1466 1022 0 0 0 0 1466 09-11 35.0 6.778 1517 567 0 1517 12-14 38.6 6.411 1466 270 54 0 ٥ 0 1466 15-17 39.6 6.500 1205 204 73 0 1205 744 18-20 36.4 6,440 226 0 0 0 744 21.23 31.5 6.769 590 314 n 0 590 ALL 8272 3516 33.9 8.222 142 Û 0 O 8272 HOURS MONTH: APR 00.02 | 37.0 5.847 540 133 6 0 0 540 03.05 34.6 6.234 744 279 2 0 0 0 744 06-08 35.5 6.340 1438 464 10 ٥ 0 O 1438 09-11 41.7 6.170 1482 116 152 1482 12.14 6.097 1438 44.2 38 306 0 0 ۵ 1438 15-17 44.6 5.859 1101 8 244 0 Û 1101 18-20 42.0 5.554 720 23 73 0 0 0 720 21-23 39.2 5.660 540 70 13 ۵ Ω a 540 ALL HOURS | 40.3 7.043 8003 1131 806 0 0 0 8003

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WET BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGMAY PROVING GROUNDS UT

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: MAY

		LST	10 UTC: + 7			MONTH:	MAY			
HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	LE	BER	OF HOURS	WITH	TEMPERATURES GE 73 GE	DEG F 80	TOTAL
00-02	43.8	5.402	651	2	20	84	0	0	٥	651
03-05	41,3	5.682	873	7	8	37	0	0	0	873
06-08	43.5	6.117	1527	8	4	242	0	0	0	1527
09-11	49.3	5.791	1524	1	4	817	1	0	0	1524
12-14	51.3	5.835	1459		6	986	3	0	0	1459
15-17	51.7	5.516	1101		1	768	4	0	0	1101
18-20	49.6	5.547	837		4	472	2	0	0	837
21-23	46.6	5.441	651	1	11	217	0	0	0	651
ALL HOURS	47.5	6.823	8623	21	18	3623	10	0	C	8623
*******						MONTH:	JUN			
00-02	50.7	4.793	630		0	374	····ò	0	0	630
03 - 05	47.5	5.513	853		6	308	0	0	0	853
06-08	49.6	5.543	1495		6	786	0	0	0	1495
09-11	55.1	4.934	1504		0	1293	2	0	0	1504
12-14	56.9	4.857	1434		0	1322	13	0	0	1434
15 - 17	57.2	4.333	1067		0	1015	11	0	0	1067
18-20	56.0	4.259	810		0	756	0	0	0	810
21 - 23	53.1	4.324	630		0	499	0	0	o	630
ALL HOURS	53.5	5.998	8423		12	6353	26	0	0	8423

ALL

HOURS

57.7

WET BULB TEMPERATURE SUMMARY FROM HOURLY UBSERVATIONS

STATION	NUMBER:		LST TO UTC:	: DUGWAY PROVING + 7			MONT	H: JUL	CORD: M		
HOURS LST	MEAN	STANDARD DEVIATIO	TOTAL N 085		EAN	NUMBER LE 32	OF HOU		TEMPERAT	URES DEG	F TOTAL
00-02	55.7	4.760	651	• • • • • • • • • • • • • • • • • • • •	• • • • • •	0	584	1	0	0	651
03-05	53.0	5.673	850			0	577	0	0	٥	850
06-08	55.2	5.412	1468			0	1225	S	0	0	1468
09-11	60.8	3.646	1485			0	1483	53	0	0	1485
12-14	62.5	3.142	1410			0	1410	136	1	0	1410
15-17	62.7	2.995	1074			0	1074	105	2	0	1074
18-20	61.3	2.873	837			0	837	36	0	0	837
21-23	58.1	4.242	651			0	633	6	0	0	651
ALL HOURS	59.0	5.403	8426	•••••	· · · · · · · · · · · · · · · · · · ·	0	7823	339	3	0	8426
							MONT	H: AUG			
00-02	55.0	6.341		• • • • • • • • • • • • • • • • • • • •	• • • • • • •	0	520		0	0	651
03-05	52.2	6.816	849			2	565	0	0	0	849
06-08	52.9	6.954	1474			6	1020	1	0	0	1474
09-11	59.5	4.912	1494			0	1428	51	0	0	1494
12-14	61.5	4.356	1428			0	1409	173	2	0	1428
15-17	61.8	4.172	1074			0	1058	99	3	0	1074
18·20	59.9	4.418	810			0	784	24	0	0	810
21-23	56.9	5.587	651			0	576	2	0	0	65

8431

6.600

E - 5 - 2 · 4

7360

350

5

0

8431

WET BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

21-23

HOURS

41.1

42.5

5.760

7.981

651

8303

STATION NAME: DUGSAY PROVING GROUNDS UT

LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: SEP

HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL LE 32 GE 50 GE 67 GE 73 GE 80 HOURS
00-02	47.0	6.715	630	12 235 0 0 0 630
03-05	44.3	7.359	814	53 213 0 0 0 814
06-08	44.0	7.821	1389	112 346 0 0 0 1389
09-11	52.1	6.056	1392	1 939 1 0 0 1392
12-14	55.1	5.595	1323	0 1114 4 0 0 1333
15-17	56.1	5.284	1013	0 891 6 0 0 1013
18-20	53.6	5.455	780	1 612 1 0 0 780
21-23	49.4	5.929	630	2 325 0 0 0 630
ALL HOURS	50.4	7.830	7981	181 4675 12 0 0 7981
				MON'N: OCT
00-02	38.5	6.284	651	115 25 0 0 0 651
03 - 05	36.3	6.870	822	282 27 0 0 0 82 2
06-08	35.6	7.284	1450	549 48 0 0 0 1450
09-11	43.9	6.096	1450	52 286 0 0 0 1450
12-14	48.0	5.684	1392	9 612 0 0 0 1392
15-17	48.7	5.535	1074	6 535 0 0 0 1074
18-20	45.2	5.574	813	12 195 0 0 0 813

E - 5 - 2 - 5

1071

1777

0

651

8303

WET BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGMAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 50 - APR 90

		LST	10 UTC: + 7	MONTH: NOV	
HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN HUMBER OF HOURS WITH TEMPERATURES DEG LE 32 GE 50 GE 67 GE 73 GE 80	F TOTAL
00-02	31.6	7.104	630	361 0 0 0 0	630
03-05	30.0	7.531	709	463 0 0 0 0	709
06-08	28.7	7.907	1316	916 2 0 C 0	1316
09-11	34.9	7.105	1353	510 15 0 0 0	1353
12-14	39.5	6.379	1332	239 55 0 0 0	1332
15-17	40.2	6.245	1064	164 47 0 0 0	1064
18-20	36.2	6.350	777	245 0 0 0 0	777
21-23	33.2	6.887	630	287 0 0 0 0	630
ALL HOURS	34.6	8.131	7811	3185 119 0 0 0	7811
				MONTH: DEC	
00-02	23.2	8.945	651	556 0 0 0 0	651
03-05	21.9	9.176	735	642 0 0 0 0	73 5
80-60	20.7	9.732	1297	1143 0 0 0 0	1297
09-11	25.3	8.399	1339	1085 1 0 0 0	1339
12-14	30.8	7.173	1326	775 3 0 0 0	1326
15-17	31.2	6.866	1104	611 1 0 0 0	1104
18-20	26.9	7.428	744	589 0 C 0 0	744
21- 23	24.5	8.329	651	547 0 0 0 0	651
ALL KOURS	25.9	9,141	7847	5948 5 0 0 0	7847

WET BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL	NEAN	NUNBER LE 32		S WITH	TEMPERAT GE 73	URES DEG 1	F TOTAL HOURS
00-02	38.3	13.871	7518		2641	1828	1	0	0	7518
03 - 05	36.9	13.395	9328		3502	1729	0	0	0	9328
06 - 08	36.7	14.513	17066		6692	3579	3	0	0	17066
09-11	42.8	14.266	17357		4441	6426	108	0	0	17357
12-14	46.1	12.777	16809		2838	7288	329	3	0	16809
15-17	46.4	12.450	13132		2067	5734	225	5	0	13132
18 - 20	44.4	13.281	9294		2038	3733	63	٥	0	9294
21-23	40.5	13.804	7517		2262	2312	8	0	e	7517
ALL HOURS	41.8	14.116	98021	;	26481	32729	737	8	0	98021

DEW POINT TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 590110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JAN

		13	1 10 010. + 7	MONTH: JAN	
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS		OTAL HOURS
00-02	14.6	11.439	653	582 5 651 0	651
03-05	14.0	12.040	734	645 12 73 4 0	734
06-08	12.5	12.585	1133	1289 13 1433 0	1433
09-11	16.1	11.026	1472	1250 25 1472 0	1472
12-14	20.0	9.354	1458	1120 38 1458 0	1458
15-17	21.4	8.852	1177	862 31 1177 0	1177
18-20	18.9	9.200	744	613 12 744 0	744
21-23	16.1	11.063	651	556 12 65 1 0	651
ALL HOURS	16.8	11,191	8320	69 17 148 8320 0	83 20
•••••		••••••		MONTH: FEB	• • • • • • • • • • • • • • • • • • • •
00-02	21.0	8.858	591	432 17 591 0	1333
03-05	20.5	9.096	652	510 22 652 0	1333
06-08	19.4	10.361	1373	1040 31 1313 0	1333
09-11	22.7	9.186	1345	922 71 1345 0	1333
12-14	24.5	3.756	1333	839 110 1333 0	1333
15-17	24.8	8.799	1078	647 88 1078 0	1333
18-20	24.3	8.731	678	43 0 57 67 8 0	1333
21-23	21.8	8.755	591	426 19 591 0	1333
ALL HOURS	22.5	9.400	7581	5246 415 7581 0	7581

E - 5 - 3 - 1

8

DEW POINT TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATICN HUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 HONTH: NAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27 GE 37 LE 55 GE 65	HOURS
00-02	20.1	8.931	591	456 3 591 0	591
03-05	20.1	8.739	693	535 5 693 0	693
06-05	22.1	8.380	1466	1033 42 1466 0	1466
09-11	24.6	7.754	1517	951 80 1517 0	1517
12-14	24.3	7.759	1466	935 80 1466 0	1456
15-17	23.2	8.228	1205	833 70 1205 0	1205
18-20	22.2	8.395	744	541 20 744 0	744
21-23	21.0	8.716	590	436 9 590 0	590
ALL HOURS	22.8	8.425	8272	5720 309 8272 0	8272
				MCNTH: APR	
20-00	26.7	8.129	540	272 59 540 0	1438
03-05	26.2	8.115	744	392 56 744 0	1438
06-08	27.3	7.707	1438	701 151 1438 0	1438
09-11	28.0	8.144	1482	701 232 1482 0	1438
12-14	26.2	8.644	1438	799 179 1438 0	1438
15-17	25.1	9.161	1101	650 118 1101 0	1438
18-20	24.9	9.307	720	422 77 720 0	1438
21-23	26.1	8.993	540	280 66 540 0	1438
ALL HOURS	26.5	8.559	8003	4217 938 8003 0	8003

DEW POINT TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION	NUMBER:		TATION NAME: S' TO UTC: +	DUGHAY PROVING	GROUNDS	UT	PERIOD MONTH:		ECORD: MAY	60 - APR	90
HOURS	MEAN	STANDARD DEVIATION	TOTAL GBS	• • • • • • • • • • • • • • • • • • • •	MEAN	MUMBER	OF HOURS	WITH LE 55	TEMPERATURE GE 65	S DEG F	TOTAL
00-02	31.4	8.816	651	• • • • • • • • • • • • • • • • • • • •	•••••	171	185	651	0		651
03-05	31.5	8.209	873			246	242	873	0		873
06-08	32.8	8.079	1527			375	498	1527	0		1527
09-11	33.1	8.487	1524			397	575	1521	0		1524
12-14	31.4	8.889	1459			456	437	1453	0		1459
15-17	30.0	9.394	1101			393	257	1097	2		1101
18-20	29.9	10.068	837			297	216	835	0		837
21-23	31.4	9.516	651			181	203	651	Q		651
ALL HOURS	31.6	8.945	8623			2516	2613	8608	2	•••••	8623
							MONTH:	JUN			
00-02	38.0	9.433	630		• • • • • • • •	95	383	627	0	• • • • • • • •	1434
03-05	36.8	9.815	853			141	483	648	0		1434
80-60	37.2	9.807	1495			287	875	1491	0		1434
09-11	38.0	9.053	1504			217	894	1501	0		1434
12-14	36.6	8.772	1434			228	752	14.22	G		1434
15-17	35.8	9.200	1067			197	539	1059	0		1434
18-20	36.1	9.746	810			168	443	03	C		1434
21-23	37.5	9.504	630			110	390	626	0		1434
ALL HOURS	37.0	9.423	8423			1443	4756	8377	0		8423

E - 5 - 3 - 3

DEW POINT TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUL

	F21	10 010: + 7		MONTH	: JUL		
MEAN	STANDARD DEVIATION	TOTAL CBS	LE 27	OF HOUR	S WITH LE 55	TEMPERATURES DEG F GE 65	TOTAL HOURS
39.3	10.752	651	94	414	620	0	651
39.2	11.248	850	141	521	800	O	850
41.7	10.479	1468	156	1026	1339	1	1468
42.3	9.265	1485	99	1112	1374	3	1485
40.7	9.099	1410	115	940	1338	3	1410
38.7	9.704	1074	130	632	1026	1	1074
38.4	10.677	837	117	476	781	1	837
39.4	11.311	651	97	413	606	2	651
40.4	10.288	8426	949	5534	7884	11	8426
				MONTH	: AUG		
41.4	11.668	651	87	421	580	0	1428
40.4	11.556	849	133	539	775	0	1428
40.8	11.565	1474	221	959	1333	1	1428
42.7	10.038	1494	116	1084	1334	0	1428
41.0	9.426	1428	119	955	1330	3	1428
39.8	9.719	1074	109	670	1015	5	1428
40.0	10.450	810	91	509	75 1	0	1428
40.8	11.545	651	95	413	585	0	1428
	39.3 39.2 41.7 42.8 40.7 38.7 38.4 39.4 40.4 40.8 42.7 41.0 39.8 40.0	MEAN STANDARD DEVIATION 39.3 16.752 39.2 11.248 41.7 10.479 42.3 9.265 40.7 9.099 38.7 9.704 38.4 10.677 39.4 11.311 40.4 10.288 41.4 11.668 40.4 11.556 40.8 11.565 42.7 10.038 41.0 9.426 39.8 9.719 40.0 10.450	MEAN STANDARD DEVIATION OBS TOTAL OBS 39.3 10.752 651 39.2 11.248 850 41.7 10.479 1468 42.3 9.265 1485 40.7 9.099 1410 38.7 9.704 1074 38.4 10.677 837 39.4 11.311 651 40.4 10.288 8426 41.4 11.568 651 40.4 11.556 849 40.8 11.565 1474 42.7 10.038 1494 41.0 9.426 1428 39.8 9.719 1074 40.0 10.450 810	MEAN STAMDARD DEVIATION TOTAL OBS MEAN HUNGER LE 27 39.3 10.752 651 94 39.2 11.248 850 141 41.7 10.479 1468 156 42.3 9.265 1485 99 40.7 9.099 1410 115 38.7 9.704 1074 130 38.4 10.677 837 117 39.4 11.311 651 97 40.4 10.288 8426 949 41.4 11.556 849 133 40.8 11.565 1474 221 42.7 10.038 1494 116 41.0 9.426 1428 119 39.8 9.719 1074 109 40.0 10.450 810 91	MEAN STANDARD DEVIATION TOTAL OBS MEAN NUMBER OF HOUR. LE 27 GE 37 39.3 10.752 651 94 414 39.2 11.248 850 141 521 41.7 10.479 1468 156 1026 42.3 9.265 1485 99 1112 40.7 9.099 1410 115 940 38.7 9.704 1074 130 632 38.4 10.677 837 117 476 39.4 11.311 651 97 413 40.4 10.288 8426 949 5534 MONTH 41.4 11.568 651 87 421 40.4 11.565 849 133 539 40.8 11.565 1474 221 959 42.7 10.038 1494 116 1084 41.0 9.426 1428 119 955' 39.8	MEAN STANDARD DEVIATION TOTAL ONE MEAN NUMBER OF HOURS WITH LE 27 GE 37 LE 55 39.3 10.752 651 94 414 620 39.2 11.248 850 141 521 800 41.7 10.479 1468 156 1026 1339 42.3 9.265 1485 99 1112 1374 40.7 9.099 1410 115 940 1338 38.7 9.704 1074 130 632 1026 38.4 10.677 837 117 476 781 39.4 11.311 651 97 413 606 40.4 10.288 8426 949 5534 7884 MONTH: AUG 41.4 11.556 849 133 539 775 40.8 11.565 1474 221 959 1333 42.7 10.038 1494 116 1084 1334 41.0 9.426 1428 119 955 1330 39.8 9.719 1074 109 670 1015 40.0 10.450 810 91 509 751	DEVIATION OBS LE 27 GE 37 LE 55 GE 65 39.3 10.752 651 94 414 620 0 39.2 11.248 850 141 521 800 0 41.7 10.479 1468 156 1026 1339 1 42.3 9.265 1485 99 1112 1374 3 40.7 9.099 1410 115 940 1338 3 38.7 9.704 1074 130 632 1026 1 38.4 10.677 837 117 476 781 1 39.4 11.311 651 97 413 606 2 40.4 10.288 8426 949 5534 7884 11 MONTH: AUG 41.4 11.668 651 87 421 580 0 40.4 11.556 849 133 539 775 0 40.8 11.565 1474 221 959 1333 1 42.7 10.038 1494 116 1084 1334 0 41.0 9.426 1428 119 955 1330 3 39.8 9.719 1074 109 670 1015 5 40.0 10.450 810 91 509 751 0

DEW POINT TEMPERATURE SUMMARY FROM HOURLY DBSERVATIONS

STATION NAME: DUGHAY PROVING GROUNDS UT LST TO UTC: + 7 STATION NUMBER: 690110

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: SEP

		LST	10 UTC: + 7	MONTH: SEP	
HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTA LE 27 GE 37 LE 55 GE 65 HOUR	
00-02	33.9	10.582	630	189 248 622 0 630	0
03-05	33.2	10.852	814	245 293 808 0 814	4
06-08	33.3	10.931	1389	420 518 1366 0 1389	9
09-11	36.4	9.926	1392	275 683 1360 1 1392	2
12-14	35.6	9.633	1333	280 607 1310 0 1333	3
15-17	35.0	9.824	1013	231 437 988 0 1013	3
18-20	34.7	9.981	780	195 320 759 0 780	0
21-23	33.9	10.202	630	179 255 618 0 630	0
ALL HOURS	34.7	10,304	7981	2014 3361 7831 1 7981	1
				HONTH: OCT	•
00.02	27.4	8.362	651	334 109 651 0 1392	5
03-05	27.1	8.604	822	446 121 822 0 1397	2
06-08	27.5	8.738	1450	751 233 1450 0 1392	2
09-11	31.1	7,68%	1450	474 365 1450 0 139 2	2
12-14	31.5	7.508	1392	432 362 1392 0 1399	2
15-17	30.5	7.519	1074	407 250 1074 0 1392	2
18-20	30.0	7.401	813	311 165 813 0 1397	2
21-23	28.5	7.986	651	324 129 651 0 1399	2
ALL HOURS	29.5	8.203	8303	3479 1734 8303 0 8 303	3

DEW POINT TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90

		LST	TO UTC: + 7	MONTH: NOV
HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN MUMBER OF NGURS WITH TEMPERATURES DEG F TOTAL LE 27 GE 37 LE 55 GE 65 HOURS
00-02	25.0	7.850	630	383 50 630 0 630
03-05	24.0	7.921	709	479 43 709 0 709
06-08	23.2	7.814	1316	954 65 1316 0 1316
09-11	26.8	7.111	1353	726 116 1353 0 1353
12-14	27.8	6.613	1332	670 113 1332 0 1332
i5-17	27.8	6.917	1064	524 103 1064 0 1064
18-20	27.3	6.995	דדה	385 71 777 0 777
21-23	25.9	7.783	630	351 S8 630 0 630
ALL HOURS	26.1	7.537	7811	4472 619 7811 0 7811
				MONTH: DEC
00-02	19.2	9.073	651	530 10 651 0 1326
03-05	17.9	9.338	<i>7</i> 35	630 9 735 0 126
06-08	16.6	9.941	1297	1136 17 1297 0 1326
09-11	20.0	8.780	1339	1078 25 1339 0 1326
12-14	23.4	7.686	1326	939 40 1326 0 1326
15-17	24.0	7.492	1104	748 4Q 1104 0 1326
18-20	22.0	7.978	744	575 23 744 0 1326
21-23	20.3	8.444	651	540 17 651 0 1326
1				
ALL HOURS	2 0.5	9.014	7847	6176 181 7847 0 7847

DEW POINT TEMPERATURE SUMMARY FROM HOUNLY CHISERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGGAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: ALL

HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS				S WITH LE 55	TEMPERATURES D	EG F TOTAL HOURS
00-02	28.3	12.776	7518		3625	1904	7405	0	7518
03-05	28.2	12.863	9328		4543	2346	9193	0	9328
06-08	28.1	13.388	17066		8363	4428	16769	2	17066
09-11	30.4	12.246	î 73 57		7206	5262	17048	4	17357
12-14	30.3	10.919	16809		6932	4613	16598	6	16809
15 - 17	29.5	10.702	13132		5731	3235	12988	8	13132
18-20	29.4	11.371	9294		4145	2386	9149	1	9294
21-23	28.7	12.390	7517		3575	1984	7390	2	7517
ALL HOURS	29.3	12.110	98021	4.	4120	26158	96540	23	98021

OPERATING LOCATION "A" USAFETAC, ASHEVILLE NO STATION NUMBER: 690110

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JAN STATION NAME: DUGMAY PROVING GROUNDS UT

			LST TO	JTC: + 7				HOI	ITH: JAN		
HOURS	10%	20%	RELAT 30%	VE HUMI! 40%	DITY GRE 50%	ATER THAN	OR EQUI	AL TO 80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	99.2	97.8	93.1	84.9	65.9	34.7	10.8	73.3	651
03-05	100.0	100.0	99.0	78.0	93.5	86.8	71.3	40.2	10.4	74.6	734
80-30	100.0	100.0	99.7	98.3	94.1	85.7	68.8	42.3	12.5	74.7	1433
09-11	100.0	100.0	9 9.6	96.7	88.4	70.6	47.3	23.0	9.1	68.1	1472
12-14	100.0	99.9	98.4	89.5	65.3	39.9	31.7	12.6	5.8	57.9	1458
15-17	100.0	99.7	97.5	87.2	62.5	37.0	20.1	10.6	5.0	56.6	1177
18-20	100.0	100.0	99.5	96.4	86.8	65.9	39.7	17.2	5.5	65.9	744
21-23	100.0	100.0	99.5	96.3	90.2	77.6	56.7	28.6	10.0	70.5	651
ALL HOURS	100.0	100.0	99. 0	94.5	82.5	65.7	46.3	25.1	8.5	66.8	8320
								H	ONTH: FE	B	
00.02	100.0	100.0	99.0	95.9	88.3	77.3	54.5	27.6	8.0	69.7	591
03-05	100.0	100.0	9 9.1	97.7	93.6	85.4	64.1	33.3	9.2	73.0	652
06-08	100.0	90.8	99.2	97.4	93.2	84.5	70.8	43.9	18.5	75.3	1313
09-11	100.0	99.8	98.0	92.7	79.3	61.1	40.9	21.9	8.9	64.9	1345
12-14	100.0	99.0	91.2	76.6	53.0	32.3	13.2	8.8	3.7	52.8	1333
15 - 17	100.0	97.4	86.6	68.6	44.8	26.3	14.5	6.4	2.6	49.3	1078
18-20	100.0	99.0	95.2	82.7	63.3	42.9	24.0	11.7	4.0	56.9	678
21 - 23	100.0	100.0	98.1	92.2	79.9	62.6	39.6	16.9	4.6	64.1	591
ALL HCG/RS	100.0	99.3	9 5.4	87.ŭ	72.7	57.0	39.8	21.3	7.9	62.6	7581

98.7

84.4

HOURS

66.9

52.3

37.8

27.0

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: MAR RELATIVE NUMIDITY GREATER THAN OR EQUAL TO HOURS LST 10% 20% 30% 40% 50% 60% 70% 80% 90% MEAN TOTAL OBS 591 00.02 100.0 99.8 94.9 66.7 47.5 29.9 84.6 16.4 59.3 6.4 03-05 100.0 99.7 92.4 98.6 76.5 58.2 41.3 8.85 9.1 64.6 693 94.7 80-60 100.0 99.8 98.4 83.4 67.5 50.0 28.5 12.7 68.3 1466 09-11 100.0 98.0 89.0 72.0 51.0 32.9 19.1 10.2 4.7 52.3 1517 12-14 99.9 91.1 69.6 45.6 27.9 15.4 8.3 4.1 40.9 1.6 1466 15-17 99.7 82.9 56.3 35.8 20.5 12.8 7.7 4.4 2.1 36.5 1205 18-20 99.7 46.9 9.1 87.8 67.2 32.3 21.2 13.7 4.3 42.8 744 21.23 35.6 100.0 97.8 87.5 71.0 51.5 20.3 11.9 590 4.7 52.7 ALL HOURS 94.2 81.6 66.4 49.8 35.3 23.2 13.1 5.6 51.5 8272 MONTH: APR 00.02 100.0 96.5 86.7 71.1 49.6 35.4 25.7 17.0 6.7 53.4 540 03-05 93.0 82.7 100.0 98.4 65.6 50.5 34.1 20.6 7.0 59.7 744 80-60 100.0 98.7 92.9 84.0 68.9 51.5 34.2 18.2 6.5 60.1 1438 09-11 99.7 88.7 70.4 50.7 31.8 18.6 11.8 7.2 2.7 42.6 1482 12-14 98.5 72.9 44.8 28.7 17.0 11.9 7.4 5.5 2.7 33.4 1438 15-17 39.9 7.9 1101 95.3 64.1 25.6 17.2 11.4 5.4 1.8 31.2 18-20 96.3 72.4 50.4 36.4 24.9 18.9 14.4 8.5 2.2 37.1 720 21-23 92.0 68.7 50.7 36.5 26.7 19.6 5.2 45.7 540 100.0 12.8 ALL

E - 6 - 2

18.3

11.0

4.0

44.5

8003

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

-	NUMBER: 6	90110		NAME: D UTC: + 7		OVING GR	OUNDS UT		RIOD OF		MAY 60 - APR 90
HOLRS	• • • • • • • • • •	• • • • • • •					N OR EQU			••••••	•••••
LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL LBS
00.02	98.9	92.0	77.6	57.1	40.9	27.2	16.7	10.6	2.5	46.7	651
03-05	100.0	96.6	88.3	71.8	55.9	40.4	26.2	14.8	5.7	54.6	873
06.08	99.9	95.8	84.7	67.7	49.2	33.3	21.2	11.6	3.8	51.2	1527
09-11	98.9	80.8	52.9	32.5	18.8	12.0	6.6	3.7	1.3	35.3	1524
12 · 14	95.5	61.2	32.4	18.2	11.0	6.8	3.8	1.6	.2	27.5	1459
15-17	90.7	52.8	25.4	15.4	10.3	6.3	3.4	1.9	.6	25.1	1101
18-20	92.5	64.4	37.6	24.1	15.3	10.6	6.6	3.6	.7	30.0	837
21-23	97.7	84.0	59.9	40.4	28.0	17.2	10.3	6.0	2.5	39.0	651
ALL HOURS	96.9	77.7	56.0	39.8	27.6	18.4	11.3	6.3	2.0	38.1	8623
								H	ONTH: JU	IN	
00-02	99.5	91.3	71.6	50.5	35.1	25.6	16.3	9.0	3.2	44.5	630
03-05	99.9	95.1	81.8	63.0	47.4	34.0	25.9	14.8	5.7	51.3	853
06-08	99.9	90.2	73.6	53.4	38.2	26.1	15.8	9.7	3.1	45.4	1495
09-11	98.4	73.3	44.5	26.3	14.6	7.3	4.7	2.5	.7	31.6	1504
12-14	94.9	53.2	27.2	13.2	7.4	5.1	3.0	1.7	.3	25.0	1434
15-17	89.4	48.4	24.5	14.2	9.2	6.0	3.9	2.1	.4	24.3	1067
18-20	90.1	53.7	31.2	22.6	15.1	9.9	5.6	2.5	.6	27.9	810
21-23	97.9	79.2	51.6	34.8	25.6	16.0	8.4	4.8	1.6	3 4.5	630
ALL HOURS	96.3	71.8	49.2	33.1	22.6	15.1	9.7	5.5	1.8	35.0	8423

HOURS |

97.4

71.0

45.0

26.7

15.6

8.6

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGHAY PROVING GROUNDS UT PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: JUL RELATIVE NUMIDITY GREATER THAN OR EQUAL TO HOURS 10% 20% LST 30% 40% 50% **50%** 70% 80% 90% MEAN TOTAL OBS 90-02 98.6 82.0 50.4 21.2 9.4 6.0 3.8 1.5 31.9 651 03-05 99.9 90.7 70.1 40.8 20.2 14.0 8.2 4.1 1.1 39.4 850 99.7 90.8 06-08 68.5 41.7 22.3 12.9 7.0 3.4 .9 39.1 1468 09-11 98.0 68.0 33.7 12.3 6.1 2.4 1.0 .3 .6 26.6 1485 92.1 40.7 .7 12-14 11.7 4.7 2.1 1.1 .4 .1 19.8 1410 15-17 83.7 26.4 9.9 4.7 2.6 1.5 .6 .2 17.6 1074 86.1 18-20 4.7 36.2 15.1 8.4 1.8 1.0 . 1 19.9 837 21-23 95.7 66.5 32.4 4.5 2.2 . 6 .5 27.1 651 ALL HOURS 62.2 36.0 18.6 9.6 5.4 3.0 27.5 8426 MONTH: AUG 00-02 99.8 90.8 65.7 40.6 23.2 11.8 8.4 4.9 1.2 39.1 651 03.05 100.0 95.3 79.7 20.1 849 54.8 34.2 11.9 6.5 1.2 44.9 80-90 100.0 94.5 76.3 53.4 33.8 19.5 11.3 5.8 44.0 1474 1.2 99.0 09-11 75.2 42.1 19.7 9.6 .7 29.7 4.1 1.7 . 3 1494 49.0 12-14 96.1 18.3 6.5 2.5 1.4 .6 .3 .1 21.8 1428 91.2 15-17 40.0 13.6 5.7 3.4 1.8 1.4 .5 20.3 1074 . 1 94.4 52.8 7.7 1.7 18-20 26.8 13.1 4.6 2.3 .4 24.8 810 98.9 77.4 32.9 21-23 48.1 27.3 8.4 5.4 14.6 3.4 651 .6

E - 6 - 4

5.0

2.7

31.7

.6

8431

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT

V.A.	· WONDER · C	,,,,,,,	LST TO	UTC: + 7				MOI	ITH: SEP		, , , , , , , , , , , , , , , , , , ,
HOURS	10%	20%	RELAT 30%	IVE HUNI 40%	DITY GRE	ATER THA	N OR EQU 70%	AL TO 80%	90%	MEAN	TOTAL OBS
00-02	100.0	94.0	72.4	46.8	27.8	18.6	11.4	6.5	.6	42.5	630
03-05	100.0	98.5	82.7	64.5	43.7	26.3	16.2	10.3	4.4	49.1	814
06-08	100.0	98.6	85.3	66.2	44.9	29.6	18.6	10.6	3.6	50.3	1389
09-11	99.3	83.0	55.2	31.8	17.6	11.2	6.1	3.0	1.2	35.3	1392
12-14	97.1	62.2	30.2	14.0	8.2	5.2	3.2	2.3	1.0	26.7	1333
15-17	93.6	52.7	21.0	11.4	6.7	4.5	2.5	۰,9	.3	23.8	1013
18-20	96.5	66.3	34.4	18.7	11.9	6.7	4.0	1.5		28.5	780
21-23	99.7	85.6	56.3	35.7	18.4	12.1	7.3	2.4	.3	36.3	630
ALL HOURS	98.2	79.4	54.1	35.8	22.4	14.3	8.7	4.8	1.6	36.4	7981
								н	DNTH: OC	:T	
00-02	100.0	97.8	86.9	66.5	47.8	27.3	13.7	7.7	1.4	49.5	651
03-05	100.0	98.8	92.8	76.4	59.9	43.9	23.8	13.4	4.3	55.9	822
06-08	100.0	99.4	94.6	83.6	67.5	51.2	33.8	19.7	6.8	60.2	1450
09-11	100.0	93.4	76.1	54.5	34.6	20.3	10.6	5.0	1.7	44.2	1450
12-14	99.6	80.7	53.7	29.8	15.9	8.5	5.5	3.7	1.3	34.3	1392
15-17	99.6	70.2	42.2	20.5	11.7	8.0	5.6	3.3	1.0	30.7	1074
18-20	100.0	88.7	61.4	36.3	19.8	11.7	7.9	3.8	.9	37.5	813
21-23	100.0	96.3	79.0	55.6	33.0	18.0	9.2	4.9	.6	44.2	651
ALL HOURS	99.9	90.0	72.5	52.5	36.2	24.0	14.3	8.1	2.5	44.5	8303

ALL

100.0

99.9

99.4

97.4

90.0

77.3

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

STATION NAME: DUGHAY PROVING GROUNDS UT STATIO NUMBER: 690110 PERIOD OF RECORD: MAY 60 - APR 90 LST TO UTC: + 7 MONTH: NOV HOURS RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10% 20% LST 30% 40% 50% 60% 70% 80% 90% MEAN TOTAL OBS 00-02 100.0 99.8 97.9 91.6 81.3 65.1 27.0 9.2 630 46.8 66.6 03-05 100.0 99.6 97.9 93.5 83.5 71.1 54.9 31.7 10.0 68.9 709 80-60 100.0 99.8 98.4 94.0 86.9 76.2 62.4 37.9 71.9 16.3 1316 09-11 100.0 99.3 95.5 85.6 69.4 50.8 31.9 16.0 5.6 60.1 1353 12-14 99.9 96.5 84.3 62.4 41.6 22.5 10.7 5.5 47.2 1332 2.4 15-17 95.5 100.0 80.6 56.3 35.3 19.8 10.3 4.9 1.8 45.2 1064 18-20 100.0 99.6 94.1 81.1 63.1 42.0 26.4 13.5 3.9 56.9 777 21-23 100.0 99.5 97.1 87.9 75.2 58.9 40.5 21.6 6.0 63.4 630 ΔII 98.5 80.0 33.9 7.1 HOURS | 100.0 92.5 65,0 48.8 18.9 59.1 7811 MONTH: DEC 00-02 100.0 100.0 99.8 96.2 91.1 82.0 54.8 20.7 78.8 651 100.0 03-05 100.0 100.0 99.9 99.6 96.6 91.3 80.8 58.1 20.8 79.2 735 06-08 100.0 100.0 99.7 99.0 97.5 91.8 77.3 53.7 21.7 78.4 1297 09-11 100.0 99.9 99.6 97.9 93.1 79.5 57.9 33.4 72.2 1339 14.6 12-14 100.0 99.8 98.4 94.0 76.7 53.5 31.9 16.7 7.4 62.4 1326 15-17 100.0 99.7 98.5 94.1 78.2 56.6 33.9 16.2 6.8 63.1 1104 18-20 100.0 100.0 100.0 98.5 95.2 84.4 63.2 33.7 12.8 73.3 744 21.23 17.1 100.0 100.0 99.8 99.5 96.0 88.9 76.3 50.2 77.4 651

59.5

37.0

14.6

72.0

7847

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + $7\,$

PERIOD OF RECORD: MAY 60 - APR 90 HOWTH: ALL

HOURS			RELAT	IVE HUMI	DITY GRE	ATER THA	N OR EQU	AL TO			
LST	10%	20%	30%	40%	50%	60%	7%	80%	90%	MEAN	TOTAL OBS
00-02	99.7	95.3	83.3	68.3	54.7	43.0	31.2	18.1	5.9	54.5	7518
03-05	100.0	97.6	89.6	76.5	62.4	49.9	36.6	21.7	7.1	58.7	9328
06-08	100.0	97.2	88.9	77.2	64.1	51.5	38.3	23,1	8.7	59.4	17066
09-11	99.4	88.0	70.7	55.2	42.0	30.1	19.4	10.3	4.2	46.5	17357
12-14	97.8	75.3	54.6	39.9	27.1	16.7	9.4	5.2	2.2	37.3	16809
15-17	95.4	69.6	50.3	37.2	25.6	16.3	9.5	4.8	1.9	35.6	13132
18-20	96.1	75.9	58.2	45.8	35.5	25.8	16.8	8.6	2.8	41.1	9294
21-23	99.1	89.7	73.0	58.7	46.4	35.5	24.7	13.7	4.5	49.1	7517
ALL	98.4	85.4	70.1	56.4	43.7	32.6	22.4	12.7	4.6	47.2	98021

PPPPP	PPP	AAA	AAA	ERRRR	RRR	**********	FFFFFFFFF
PPPPP	PPPP	AAAA		RRPRA	RRRR	TTTTTTTTT	FFFFFFFFF
PP	PP	AA	AA	RR	RR	TT	FF
PP	PP	AA	AA	RR	RR	TT	FF
PPPPP	PPPP	AA	AA	RRRRR	RRRR	ŢŢ	FFFFF
PPPPP	PPP	AAAAA		RRRRR	RRR	TT	FFFFF
PP		AAAAA		RR	RR	17	FF
PP		AA	AA.	RR	RR	TT	fF
PP		AA	AA	RR	RR	11	FF
PP		AA	AA	RR	RR	TT	FF

F - 1 - 1

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOFTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (MG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

SEA LEVEL PRESSURE IN MILLIBARS FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110 STATION NAME:

STATION NAME: OUGHAY PROVING GROUNDS UT-LST TO UTC: + 7

				0 0.0.	•									
HOURS (LST)	STATS	JAN	FEB	HAR	APR	KAY	JUN	JUL	AUG	SEP	OCI	NOV	prc	AWN
0200	MEAN SO TOT OBS	1023.9 9.661 217	1020.3 7.971 197	1015.8 7.708 197	1013.2 7.277 180	1010.7 5.215 217	1010.0 5.077 210	1010.5 3.357 217	1012.0 3.753 217	1013.3 5.107 210	1017.9 6.967 217	1019.1 7.805 210	1022.8 9.569 217	1015.8 8.387 2506
0500	MEAN SO TOT OBS	1022.7 10.406 300	1019.5 8.098 258	1015.4 7.823 299	1013.0 7.409 381	1011.2 5.759 433	1010.7 4.965 429	1011.6 3.427 414	1012.2 4.012 411	1014.0 5.483 390	1017.6 7.131 386	1019.9 7.992 289	1022.1 9.803 301	1015.2 8.013 4291
0800	MEAN SD TOT OBS	1024.7 10.430 1 487	1021.1 8.939 451	1016.5 7.827 501	1014.3 7.374 493	1012.5 5.727 507	1011.8 5.081 499	1013.0 3.489 496	1013.7 3.742 494	1015.8 5.448 432	1019.5 7.237 485	1021.6 8.303 452	1023.8 9.871 444	1017.2 8.465 5771
1100 [MEAN SO TOT ORS	1025.2 10.166 489	1021.2 8.606 447	1016.3 7.706 504	1014.1 7.425 491	1012.4 5.885 504	1011.8 5.161 494	1013.0 3.608 493	1013.6 3.772 496	1015.6 5.539 466	1019.3 6.976 481	1021.5 8.033 454	1024.2 9.646 445	1017.2 8.446 5764
1460	MEAN SD TOT OBS	1022.9 9.953 470	1019.4 8.626 427	1015.1 7.546 461	1013.0 7.319 449	10110 6,011 440	1010.5 5.114 437	1011.5 3.662 427	1012.0 3.925 430	1013.8 5.760 402	1017.4 6.896 429	1019.5 7.821 431	1021.9 9.370 432	1015.7 8.295 5235
1700 (MEAN SD TOT OBS	1022.6 10.212 345	1019.0 8.338 239	1014.5 7.549 324	1011.7 6.921 284	1009.7 5.710 310	1008.9 4.862 300	1009.6 3.486 310	1010.4 4.019 307	1012.0 5.353 291	1016.6 6.857 309	1019.2 7.788 310	1021.8 9.292 333	1014.8 8.563 3711
2000	MEAN SD TOT OBS	1024.6 9.967 248	1020.6 7.483 226	1015.1 7.494 248	1012.4 6.788 240	1009.9 5.456 279	1008.9 4.852 270	1009.4 3.744 279	1010.9 4.122 270	1012.7 5.486 260	1018.1 6.930 271	1019.7 7.422 259	1023.2 9.871 248	1015.3 8.678 3098
2300	MEAN SD TO! OBS	1024.5 9.583 217	1020.6 7.689 197	1015.6 7.563 196	1013.3 6.877 180	1010.5 4.982 217	1009.8 4.878 210	3.587	1011.6 3.928 217	1013.1 5.270 210	1018.0 6.907 217	1019.4 7.742 210	1023.6 9.488 217	1015.8 8.498 2505
ALL HOURS	 Mean SD Tot obs	 1023.9 10.159 2773	8.413	1015.6 7.696 2730	7.290	1011.2 5.777 2907	1010.6 5.141 2849	1011.4 3.802 2853	1012.3 4.056 2842	1014.1 5.623 2691	1018.2 7.076 2795	1020.2 7.977 2615	1022.9 9.660 2637	1016.0 8.455 32881

ALTIMETER SETTING IN INCHES FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION HAME: DUGWAY PROVING GROUNDS UT

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LSI	10	uic:	. + /	•

HOURS (LST)	STATS	NAL	FEB	HAR	APR	NAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANN
0200	MEAN	30.16	30.08	29.97	29.97	29.93	29.96	29.99	30.04	30.03	30.11	30.09	30.15	30.05
	SD i	.241	.211	,214	.198	.138	. 137	.088	.103	.130	. 191	.198	.241	. 195
	TOT OBS	155	140	135	120	155	150	155	186	180	186	180	186	1928
0500	MEAN	30.12	30.07	29.97	29.96	29.95	29.97	30.04	30.05	30.05	30.10	30.10	30.10	30.04
	S0	. 264	.220	.216	.205	. 159	. 139	.092	. 106	.140	. 189	.209	. 262	. 193
	TOT OBS	300	258	299	384	438	432	416	415	393	388	289	301	4313
0800	MEAN {	30.15	30.09	30.00	29.99	29.99	30.02	30.08	30.09	30.09	30.13	30.13	30.14	30.07
	SD I	. 254	.227	.220	.205	. 161	. 146	.098	, 101	.142	. 191	.208	.244	. 197
	TOT OBS	426	395	441	432	448	442	435	465	432	454	423	416	5209
1100	MEAN	30.18	30.12	30.01	29.99	29.99	30.00	30.08	30.09	30.09	30.14	30.14	30.16	30.08
	SO I	. 256	.224	.219	.208	. 166	. 148	. 099	. 105	.144	. 188	.208	. 249	. 202
	TOT OBS	492	451	505	494	510	499	494	497	464	483	453	447	5789
1400	MEAN	30.13	30.07	29.98	29.96	29.94	29.96	30.03	30.03	30.04	30.08	30.09	30.11	30.04
	SO	. 254	. 226	.213	.199	. 165	. 141	. 095	. 106	.146	.186	. 199	. 239	. 198
	TOT 085	413	369	398	390	383	379	364	401	373	398	402	402	4672
1700	MEAN	30.11	30.05	29.95	29.91	29.90	29.91	29.97	29.98	29.99	30.07	30.08	30.09	30.00
	SD	.258	.221	.208	. 193	.157	. 137	. 095	. 113	.140	.184	. 203	. 250	. 203
	TOT 085	345	289	324	284	310	300	310	3 07	291	308	310	332	3710
2000	MEAN	30.15	30.07	29.95	29.93	29.90	29.92	29.97	30.00	30.00	30.09	30.08	30.13	30.01
	SD	.247	. 199	.204	. 187	.151	. 135	.099	. 116	.142	. 186	. 187	. 254	. 197
	TOT 085	186	169	186	180	217	210	217	239	230	240	229	217	2520
2300	MEAN	30.15	30.09	29.97	29.96	29.92	29.94	29.99	30.02	30.02	30.11	30.09	30.14	30.04
	SO	. 245	.210	.207	. 192	. 139	. 136	.098	. 110	. 139	.1 8 6	.200	.248	. 197
	TOT OBS	217	197	196	180	217	210	217	217	210	217	210	217	2505
ALL	MEAN	30.14	30.08	29.98	29.96	29.95	29.97	30.03	30.05	30.05	30.11	30.11	30.13	30.05
HOURS		.255	.221	.215	. 203	.161	.146	.10\$. 113	.146	. 189	. 204	. 249	. 200
	101 085	2534	2268	24 8 4	2464	2678	2622	8095	2727	2573	2674	2496	2518	30646

STATION PRESSURE IN INCHES FROM HOURLY OBSERVATIONS

STATION NUMBER: 690110

STATION NAME: DUGMAY PROVING GROUNDS UT

LST	TO	UTC:	+ 7	
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HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
(LST)			,								•		•••	V
0020	MEAN S	25.72	25.66	25.56	25.55	25.52	25.54	25.58	25.62	25.60	25.67	25.66	25.71	25.62
	SO	.211	. 185	. 187	. 175	.120	.119	.076	.088	.112	.167	. 172	.211	. 170
	TOT 085	155	140	135	120	155	150	155	186	180	186	180	186	1928
0500	MEAN	25.68	25.63	25.55	25.54	25.54	25.56	25.61	25.62	25.62	25.67	25.67	25.67	25.61
ì	SO	. 232	. 191	. 191	. 176	.138	. 120	.078	. 093	.127	.162	. 186	.229	. 169
	TOT OBS	297	261	315	388	440	429	413	419	391	371	288	301	4313
0800	MEAN	25.71	25.65	25.57	25.57	25.57	25.59	25.65	25.65	25.65	25.69	25.69	25.70	25.64
	SO (.223	. 198	. 194	. 181	.141	. 126	. 084	.087	. 123	.168	. 183	.215	. 173
	TOT OBS	426	395	441	433	447	443	436	463	432	454	423	416	5209
1100	MEAN	25.73	25.68	25.58	25.56	25.56	25.58	25.64	25.65	25.65	25.70	25.70	25.71	25.64
	SD [. 225	. 196	. 192	. 182	.145	. 128	. 084	.090	. 125	.164	. 182	.218	. 177
	TOT OBS	492	451	505	494	510	499	494	497	464	483	453	447	5 789
1400	MEAN	25.68	25.63	25.55	25.54	25.53	25.54	25.60	25.61	25.61	25.65	25.66	25.67	25.61
	80	.222	. 198	. 187	.174	.145	.124	.082	.091	. 128	.162	.175	.210	. 173
	TOT 085	413	369	398	390	383	379	364	401	373	398	402	402	4672
1700	MEAN	25.68	25.62	25.53	25.50	25.49	25.50	25.56	25.57	25.57	25.64	25.65	25.66	25.58
	SO	.226	. 193	. 182	. 170	.139	. 121	. 083	.097	. 122	.161	.178	. 219	. 177
	TOT OBS	345	289	324	284	310	300	310	307	291	308	310	332	3710
2000	MEAN	25.71	25.64	25.53	25.52	25.50	25.51	25.55	25.58	25.58	25.66	25.65	25.69	25.59
	SO	.218	.173	.179	. 164	.133	.119	.085	.101	. 123	.162	.162	. 223	. 172
	TOT OBS	186	169	186	180	217	210	217	239	230	246	559	217	2520
2300	NEAN	25.71	25.63	25.56	25.54	25.52	25.53	25.58	25.60	25.60	25.67	25.65	25.71	25.61
	SO	.215	. 191	.178	. 166	.118	.117	.084	.096	.127	.162	. 181	. 209	. 172
	TOT OBS	217	197	194	180	217	210	217	217	210	217	210	219	2505
ALL	MEAN	25.70	25.65	25.56	25.54	25.53	25.55	25.61	25.62	25.62	25.67	25.67	25.69	25.62
HOURS		.224	. 194	. 189	.177	.141	.127	.089	.097	. 128	.165	.179	.218	.175
	TOT OBS	2531	2271	2498	2469	2679	2620	2606	2729	2571	2657	2495	2520	30646

PPPPP	PPP	w	AAA	RRRR	RRRR	77777777	G	GGGGG
PPPPP	PPPP	AAAA	AAAA	RRRR	RRRRR	*********	GG	CGGGGG
PP	PP	AA	AA	RR	RR	TT	GG	GG
PP	PP	AA	AA	Rf.	RR	TT	GG	
PPPPP	PPPP	AA.	AA	RRRR	RRRRR	TT	ĞG	
PPPPP	PPP	AAAA	AAAAA	RRRR	RRRR	11	GG	GGGG
PP		AAAA	AAAAA	RŘ	RR	† T	GG	GGGGG
PP		AA	AA	RR	RR	77	GG	GG
PP		AA	AA	RR	RR	TT	GG	222222
PP		AA	AA	RR	RR	ŤĬ	G	22222

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PART G

CROSSWIND SUMMARY

CRCSSWIND SUMMAR!ES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GURT REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- . BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- . S. YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT COCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND CUMPONENT IS COMPUTED FROM THE HIGHEST REPORTED VIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REVARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SIEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

ERVATIONS
MAGNETIC RUNWAY HEADING: 120-300

4.6 1.5

STATION NUMBER: 690110

CATEGORY B

STATION NAME: DUGHAY PROVING GROUNDS UT

LST TO UTC: + 7

5.0 1.9

PERIOD OF RECORD: MAY 60 - APR 90

8348

MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

						3HE-31					·····	HOUKLI				
TIME (LST)		000	0 - 0	200		c	300 -	0500		06	500 -	0800			900 -	1100
SPEED (KTS)	GE10	GE 15	GE 25	08\$	GE10	GE 15	GE 25	088	GE10	GE 15	GE25	280	GE 10	GE 15	GE 25	085
CATEGORY A	3.7	.2		651	3.7	.5	i	734	4.1	1.6		1434	3.9	1.6	.2	1471
CATEGORY B	3.7	.2		651	3.7	.5	i	734	4.4	1.7		1441	4.7	2.0	. 2	1486
	•••••				• • • • • • • • •		• • • • • •	• • • • • •								
TIME (LST)		120	00 - 14	400		1	500 -	1700		18	300 -	2000		;	2100 -	2300
SPEED (KTS)	GE10	GE 15	GE 25	08\$	GE 10	GE15	GE 25	088	GE 1 0	GE 15	GE25	085	GE10	GE 15	GE 25	088
CATEGORY A	5.5	2.0	.3	1458	5.2	1.9	2. 9	1177	3.8	.4		744	3.4	.3		651
CATEGORY B	6.0	2.7	.3	1462	5.4	2.0	0.3	1179	3.8	.4		744	3.4	.3		651
••••••				••••			• · · · • · ·	•••••		• • • • • •		· · · · · ·	• • • • • • • • • • • • • • • • • • • •		••••	
	*****	•••••	• • • • • •	•••••		• • • • •	• • • • • •	•••••	•••••	•••••	• • • • •	• • • • • •		 .		• • • • •
TIME (LST)	1				0	600 -	2000				AL	L HO	URS			
SPEED KTS					GE10 G	E15 (SE 25	085		GE	10 GE	15 GE	25 08	S		
CATEGORY A					4.5	1.6	.2	6284		4	.3 1	.3	.1 832	0		

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6312

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNHAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • • • •	• • • • • • • • • • •	• • • • •	• • • • • •	• • • • • • •	• • • • • • • •	••••	• • • • • •	• • • • • • •	• • • • • • • •	• • • • • •	• • • • •	••••
TIME (LST)	ļ	0 0 0	00 - 0200		03	100 - 0	0500		0	600 -	0800		(0 90 0 -	1100
SPEED (KTS)	GE10	GE 15	GE 25 085	GE 10	GE 15	G£ 25	880	GE 10	GE15	GE 25	088	GE10	GE 15	GE 25	08\$
CATEGORY A	l 1.5	.2	591	2.0	.3		652	1.8	.5		1317	3.7	.8		1351
CATEGORY B	1.5	۶.	591	2.0	.3		652	2.3	.7		1330	4.3	1.5		1357
TIME (LST)	•••••• 	12	DC - 1400	•••••				• • • • • • • •		800 -		•••••		 2100 -	2300
SPEED (KTS)	 GE10	GE 15	GE25 08\$	GE10	GE 15	GE25	085	GE 10	GE15	GE 25	280	GE 10	GE 15	GE25	280
CATEGORY A	l (6.8	1.0	1335	7.4	1.7		1077	3.7	.6		678	1.4	.5		591
CATEGORY 8	7.4	1.6	1341	7.9	2.3		1084	3.7	.6		678	1.4	.5		591
• • • • • • • • • • • • • • • • • • • •												· · · · · · · · · · · · · · · · · · ·	• • • • •		
TIME (LST)	!			05/	00 - 2	000				AL	L HOUR	RS.			
SPEED KTS	! 			GE10 CE	15 GE	25	08\$		GE	10 GE	15 GE25	5 08 :	Ş		
CATEGORY A				4.7	.9		5758		4	.0	.8	759	2		
CATEGORY 6				5.2 1	.4		5790		4	.3 1	.1	762	4		

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNUAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

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TIME (LST)	ļ	000	00 - 02	200		03	ioo -	0500		06	500 - 1	0800		C	900 -	110
SPEED (KTS)	GE 10	GE15	GE25	OBS	GE 10	GE 15	GE25	08\$	GE 10	GE 15	GE25	280	GE10	GE 15	GE25	08
CATEGORY A	3.0	.3		591	2.9	.6	.1	693	4.3	.8	.1	1463	8.6	2.3	.1	151
CATEGORY B	3.0	.3		591	2.9	.6	.1	693	4.4	1.3	.2	1469	9.1	3.1	.3	152
TIME (LST)	 Į	120	00 - 14	00	• • • • • • • •	15	i00 -	1700	•••••	18	300 -	2000	• • • • • • •	;	2100 -	23/
SPEED (KTS)	GE10	GE15	GE25	088	GE10	GE15	GE25	088	GE10	GE 15	GE25	280	GE10	GE 15	GE25	0
CATEGORY A	12.3	3.3		1469	15.1	3.9	.1	1205	10.3	3.2	.1	744	2.5	.5		5
CATEGORY B	13.5	4.7	.3	1473	16.5	4.9	.4	1209	10.3	3.2	.1	744	2.5	.5		5
		• • • • • •		•••••	••••••	• • • • • •	• • • • • •		•••••	•••••			• • • • • • • •	•••••	•••••	• • • •
TIME (LST)	l				06	00 - 2	2000				AL	L HOUS	RS			
SPEED KTS					GE10 GE	15 GE	25	085		GE	10 GE	15 GE2	5 01	BS		
CATEGORY A					9.9 2	.6	.1	6397		8	.3 2	2.1 .	1 82	71		
CATEGORY B					10.6 3	.4	.3	6415		8	.8 2	.7 .:	2 821	89		

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGHAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OWS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

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TIME (LST)		00	00 - 0	200		0	300 ·	0500		C	600 (0800		-	0900 -	1100
SPEED (KTE)	GE10	GE 15	GE25	085	GE10	GE 15	GE 25	08\$	GE 10	GE 15	GE 25	260	GE10	GE 15	GE 25	OBS
CATEGORY A	2.2			540	2.4	.5	.1	744	3.1	.6	.1	1438	9.6	2.4		1482
CATEGORY B	 2.2 			540	2.7	.7	.1	744	3.4	.8	.1	1440	11.0	3.8	.2	1485
			• • • • • •				••••	· · · • · · ·	* * * * * * * * *	•••••	• • • • • •	• • • • • • •	• • • • • • • •	••••	· · · · · ·	•••••
TIME (LST)		12	00 - 14	400		15	500 ·	1700		10	500 -	2000			2100 -	2300
SPEED (KTS)	, GE 10	GE 15	GE 25	085	GE 10	GE15	GE 25	088	GE 10	GE 15	GE 25	088	G€1 0	GE 15	GE25	088
CATEGORY A	12.8	3.8	.5	1440	13.6	4.8	.4	1101	13.1	4.3	.1	720	4.4	.4		540
CATEGORY B	l 15.5	6.3	.8	1443	14.9	6.1	.6	1102	13.1	4.3	.1	720	4.4	.4		540
		• • • • • • •		• • • • • • • • • • • • • • • • • • •					••••••	•••••	• • • • • •	• • • • • • • • • • • • • • • • • • •				
TIME (LST)					06	00 · 2	000				ALI	. HOUR	rs.			
SPEED KTS					GE10 GE	15 GE	25	085		GE 1	0 GE	15 GE 25	OB:	S		
CATEGORY A					10.0 3	.0	٠2	6181		8.	4 2.	.4 .8	800	5		
CATEGORY B	 				11.2 4	.2	.4	6190		9.	4 3.	.3 .3	801	4		

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PERCENTAGE PREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGNAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

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TIME (LST)	ļ	000	00 - 0 2	200			0300	- 0	500		O	500 -	0800			1	0900 -	1100
SPEED (KTS)	GE10	GE15	GE 25	085	GE 1	10 GE	15 G	E25	280	GE 10	GE 15	G£25	08	S	GE 10	GE 15	GE 25	08\$
CATEGORY A	3.4	.8		651	1.	.6			872	1.9	.5		1528	3	7.6	1.2	. 1	1524
CATEGORY B	3.4	.8		651	1.	.8	.1		872	2.1	.7		1530	;	8.4	2.0	.3	1528
TIME (LST)										•••••							2100 -	
SPEED (KTS)	Ì					10 GE				GE 10							GE25	
CATEGORY A	10.4	3.4	. 1	1459	15	.4 4	.3	.1	1161	11.7	2.2		83	7	8.3	2.8		651
CATEGORY 8	 12.9 	5.1	.9	1468	16	.4 5	.7	.5	1101	11.7	2.2		83	7	8.3	2.8		651
	• • • • • • •	• • • • • •		•••••	• • • • • • •	•••••	• • • • •		• • • • • • • • • • • • • • • • • • •		•••••	· • • • • •	• • • •	• • • • • •	• • • • • • • • • • • • • • • • • • •		• • • • • •	· · · · · ·
TIME (LST)						0600	- 20 0	0				AL	L	HOURS				
SPEED KTS					GE 10	GE 15	GE25	;	088		GE	10 G6	15	GE 25	O£	38		
CATEGORY A					3.8	2.2	.0	}	6449		7	.6 1	.9	٥,	868	23		
CATEGORY B	ì				9.7	3.0	.4	,	6464		8	.3 8	.6	.3	863	58		

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGWAY PROVING GROUNDS UT

LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: JUN

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CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

• • • • • • • • • • • • • • • • • • • •	• • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • • •	• • • • • •	• • • • • •	•••••	• • • • • • • •	•••••	• • • • • •	• • • • • • •		• • • • •	•••••	••••
TIME (LST)	i	000	xo - 02	200		03	i 0 0 - ()500		0	500 -	0800		(0 9 00 -	1100
SPEED (KTS)	GE10	GE 15	GE25	08\$	GE10	GE 15	GE25	08\$	GE10	GE15	GE 25	085	GE 10	GE 15	GE 25	260
CATEGORY A	5.2	1.1		630	1.4	.1		851	1.3	.1		1499	4.9	.5	. 1	1505
CATEGORY &	5.2	1.1		630	1.4	.1		851	1.5	.2		1501	7.2	1,7	. 1	1505
• • • • • • • • • • • • • • • • • • • •	• • • • • •	• • • • •	• • • • • •	••••	• • • • • • • • •	• • • • • •	•••••	• • • • • •		· · · · · ·	•••••	• • • • • • •	•••••	• • • • •	•••••	
TIME (LST)		126	00 - 10	100		15	CO -	1700		1	800 -	2000			2100 -	2300
SPEED (KTS)	GE10	GE 15	GE 25	088	GE 10	GE 15	GE25	280	GE 10	GE 15	GE 25	085	GE 10	GE 15	GE 25	088
CATEGORY A	8.2	2.0		1435	11.4	2.8	.1	1067	9.8	1.9		810	11.1	2.4		630
CATEGORY B	10.2	4.5	.8	1438	12.5	3.0	.6	1068	9.8	1.9		810	11.1	2.4		630
							•••••				• • • • • •					••••
TIME (LST)	ļ				064	00 - 2	000				ALI	. HOUF	RS			
SPEED "TS	! }				GE10 GE	15 GE	25	280		GE.	O GE	15 GE25	5 08:	S		
CATEGORY A					6.5 1	.3	.0	6316		6	.3 1	.2 .0	842	7		
CATEGORY B					7.8 2	.4	.3	6322		7	. 2	.0 .	2 843	3		
	ı															

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

CATEGORY B

STATION NAME: DUGMAY PROVING GROUNDS UT LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

MONTH: JUL

5.3 1.0 .0 8434

CATEGORY A:	ANY	CEILING	OR	VISIBILITY	(HOURLY OBS	ONLY
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CATEGORY B: NIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

					,						OK (HOOKLIE:	· · · · · · · · · · · · · · · · · · ·			
TIME (LST)	ļ	000	00 - 00	200		03	3 00 • 1	0500		060	0 - 0800		0	900 - 1100	
SPEED (KTS)	GE10	GE15	GE 25	085	GE10	GE 15	GE 25	085	GE10	GE 15 G	E 25 08S	GE10	GE 15	GE25 OBS	
CATEGORY A	1.7			651	.1			85 0	.5		1468	4.8	.1	1486	
CATEGORY B	1.7			651	.1			851	.7		1468	5.6	1.1	1487	
**************************************		12/			• • • • • • • • • • • • • • • • • • • •		 500 -	1700		190	O - 2000	• • • • • • • • • • • • • • • • • • • •	٠٠٠٠٠	2100 - 2300	
TIME (LST)	[]	121	JU - 11	+ 00		1,	100 -	1700		100	0 - 2000		•	:100 - 2300	
SPEED (KTS)	GE 10	GE15	GE25	085	GE 10	GE 15	GE 25	OBS	E10	GE 15 GE	25 OBS	GE10	GE 15	GE25 OBS	
CATEGORY A	6.8	.7		1411	10.3	2.2	.2	1073	8.1	1.8	837	5.7	.6	651	
CATEGORY B	8.1	1.5		1416	11.1	2.5	.3	1073	8.1	1.8	837	5.7	.6	651	
						• • • • • •	 			•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • •	 	••••••	
TIME (LST)	l				06	600 - 2	2000				ALL HOUR	RS			
SPEED KTS					GE10 GE	15 G	E25	OBS		GE 10	GE15 GE25	5 08	S		
CATEGORY A					5.6	.8	.0	6275 ~		4.8	.7 .0	0 842	7		

6.3 1.3 .0 6281

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGMAY PROVING GROUNDS UT LST TO UTC: + 7

MONTH: AUG

PERIOD OF RECORD: MAY 60 - APR 90

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

IME (LST)	ļ	004	00 - 0	200			034	00 -	0500		0	600 ·	0800			0900 -	1100
PEED (KTS)	GE 10	GE 15	GE 25	085	GE 1) G	£15	GE25	085	GE10	GE 15	GE 25	088	GE 10	GE 15	GE 25	08
ATEGORY A	.9			6 51	.0	5			849	.5			1476	4.1	.2		149
ATEGORY B	.9			651	.(5			849	.7			1476	5.1	.7		149
IME (LST)	 [120	DO - 1	400	•••••	• • • •	15	00 -	1700	• • • • • • • •	1	800 -	2000		••••	2100 -	230
PEED (KTS)	GE 10	GE15	GE 25	085	GE 1	0 G	E 15	GE 25	088	GE10	GE 15	GE 25	088	GE 10	GE 15	ù£2 5	08
ATEGORY A	7.4	1.1		1428	9.	0	1.8		1075	8.0	1.9		810	4.9	1.4		65
ATEGORY B	8.4	2.7	.1	1433	9.	5	2.6	.2	1075	8.0	1.9		810	4.9	1.4		65
	· · · · · · · · ·		•••••		••••••	• • • •	••••	• • • • •	• • • • • • • •	• • • • • • • • •	•••••				•••••		• • • •
IME (LST)					O	60 0	. 50	000				AL	L HOU	RS			
PEED KTS					GE10 G	E15	GE	25	085		GE '	10 GE	15 GE2	5 08	s		
ATEGORY A	i				5.4	.8			6284		4.	.5	.7	843	5		
ATEGORY B	}				6.0	1.5		.0	6291		5	.0 1	.2 .	0 844	,		

G - 2 - 8

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGHAY PROVING GROUNDS UT

LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90 MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200					0	300 -	0500		0	600 -	080)		1	0900 -	1100
SPEED (KTS)	GE 10	GE15	GE 25	cas	GE 10	GE 15	GE 25	280	GE10	GE 15	GE 25	08	s	GE 10	GE 15	GE25	085
CATEGORY A	1.6	.5		630	1.0	.1		814	1.2	.1	.1	139	71	4.8	.1		1392
CATEGORY B	1.6	.5		630	1.0	.1		814	1.1	.1	.1	139	4	5.2	.1		1392
•••••	•••••	•••••	•••••	•••••		•••••	••••	•••••	• • • • • • • • •	• • • • •	• • • • •	••••	• • • • • •	••••	•••••	•••••	• • • • •
TIME (LST)	1	120	00 - 14	100		1	500 -	1700		1.	800 -	2000)		;	2100 -	2300
SPEED (KTS)	GE10	GE15	GE25	085	GE 10	GE15	GE 25	088	GE 10	GE 15	GE25	08	s	GE 10	GE 15	GE 25	085
CATEGORY A	6.3	.4		1333	6.9	1.3		1013	5.0	.9		78	10	2.7	.5		630
CATEGORY B	7.2	1.0	.1	1341	7.4	1.8	3	1013	5.0	.9		78	30	2.7	.5		630
									<i></i>	· · · · · ·	• • • • •					· • • • • • •	
TIKE (LST)					06	- 00	2000				A	LL	HOURS				
SPEED KTS					GE 10 GE	15 G	E25	08\$		GE	10 G	E 15	GE 25	01	s		
CATEGORY A					4.7	.5	.0	5909		3	.9	.4	.0	798	33		
CATEGORY B					5.1	.7	.1	5920		4	. 2	.6	.0	799	94		

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGHAY PROVING GROUNDS UT

LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

HONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

			CATE	GORY B:									· · · SPECI			
TIME (LST)	ļ	000	00 - 0200			03	500 -	0500		0	600 -	0800			0900 -	1100
SPEED (KTS)	GE10	GE15	GE 25 (8 S G	£10	GE 15	GE 25	280	G£ 10	GE 15	GE 25	08\$	GE 10	GE15	GE 25	280
CATEGORY A	2.9	.5	6	51	1.5	.5		823	1.6	.3		1451	5.1	1.0	.1	1449
CATEGORY 8	2.9 	.5	ć	51	1.5			823	1.6	.6		1451		1.4	.1	1452
TIME (LST)	ļ	12	00 - 1400	•••••	••••			1700	••••••		50 0		•••••		2100 -	2300
SPEED (KTS)	GE 10	GE15	GE 25 (08S G	E 10	GE 15	GE 25	5 08 \$	GE 10	GE 15	G£25	085	GE 10	GE 15	GE 25	OBS
CATEGORY A	7.6	1.6	13	194	9.1	1.9		1075	4.9	1.4		813	2.3	.3		651
CATEGORY B	8.3	2.7	13	94	9.1	2.3	.1	1 1076	4.9	1.4		813	2.3	.3		651
	• • • • • • •			•••••••		•••••	• • • • • •	•••••	•••••	• • • • • • •		• • • • • • • •		• • • • •	• • • • • •	••••
TIME (LST)	1				060	00 - 2	2000				AL	L HOUF	RS			
SPEED KTS				GE 10	GE 1	15 GE	25	280		GE	10 GE	15 GE 25	5 089	\$		
CATEGORY A				5.5	1.	.2	.0	6182		4.	.7 1	.0 .0	830	7		
CATEGORY B				5.8	1,	.7	.0	6186		4	.8 1	.3 .0	0 831	1		

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNHAY HEADING: 120-300

STATION NUMBER: 690110

STATION NAME: DUGNAY PROVING GROUNDS UT LST TO UTC: + 7

MONTH: NOY

PERIOD OF RECORD: MAY 60 - APR 90

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500 0600 - 0800 TIME (LST) 0000 - 0200 0900 - 1100 SPEED (KTS) GE10 GE15 GE25 OBS GE10 GE15 GE25 DBS GE10 GE15 GE25 OBS GE10 GE15 GE25 08\$

CATEGORY A 1.4 630 1.4 709 1.3 .4 1324 2.7 1355 709 630 1.4 1.9 .5 1336 .9 1373 CATEGORY B 1.4 3.1

...... 1500 - 1700 1800 - 2000 1200 - 1400 2100 - 2300 TIME (LST) GE10 GE15 GE25 OBS GE10 GE15 GE25 OBS GE10 GE15 GE25 GE10 GE15 GE25 085 SPEED (KTS)

.2 630 777 CATEGORY A 7.0 1.0 .2 1332 1065 2.3 1.7

CATEGORY B 7.5 1.7 .4 1343 .8 .2 1065 2.3 777 1.7 .2 630

0600 - 2000 HOURS ALL TIME (LST) SPEED KTS GE10 GE15 GE25 085 GE10 GE15 GE25 088

.0 5853 3.1 .5 .0 7822 CATEGORY A

.9 5894 3.4 .7 7863 4.0 .1 . 1 CATEGORY B

G - 2 - 11

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNHAY HEADING: 120-300

STATION NUMBER: 690110 STATION NAME: DUGWAY PROVING GROUNDS UT

LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS O	LATEGORY A:	LIMG OR VISIBILITY (HOURLY C	OSS ONLY)
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CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

			• • • • • •	• • • • • •	• • • • • • • • •	· · · · ·						• • • • •	• • • • • • • • •			 .
TIME (LST)	Į	00	00 - 0	200		03	00 -	0500		0	500 ·	0800			0900 -	110
SPEED (KTS)	 GE10	GE15	G£ 25	085	GE10	GE 15	GE25	088	GE10	GE 15	GE 25	085	GE10	GE15	GE 25	ОВ
CATEGORY A	1.7	.2		651	2.4	.1		735	2.7	.8		1303	3.7	1.3	.1	133
CATEGORY B	1 1.7	.2		651	2.4	.1		735	3.0	.8	.1	1314	3.9	1.6	.2	135
TIME (LST)	 {		00 - 10		• • • • • • • • • •			1700	••••••		800 -		•••••		2100 -	
SPEED (KTS)	GE10	GE15	GE 25	085	GE10	GE 15	GE 25	08\$	GE10	GE 15	GE 25	085	GE10	GE15	GE 25	08
CATEGORY A	5.1	1.6	.1	1326	5.7	1.4		1104	3.6	.7		744	2.5			65
CATEGORY 8	 5.2 	1.6	.1	1333	5.7	1.4		1105	3.6	.7		744	2.5			65
TIME (LST)			•••••	• • • • • • • • • • • • • • • • • • • •	060	0 - 2	000	• • • • • • • •		•••••	AL	L HO	urs		• • • • • •	
SPEED KTS					GE10 GE1	5 GE	25	088		GE1	O GE	15 GE	25 08	S		
CATEGORY A					4.2 1.	2	.0	5816		3.	7	.9	.0 785	3		
CATEGORY B					4.3 1.	.2	. 1	5850			8 1	.0	.1 788	7		

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 120-300

STATION NUMBER: 690110

STATION HAME: DUGHAY PROVING GROUNDS UT

LST TO UTC: + 7

PERIOD OF RECORD: MAY 60 - APR 90

MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOUR	.Y 08.S	ONLY)	
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CATEGORY 8: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

	•••••			•••••	•••••	• • • • • •			• • • • • •							
TIME (LST)	ļ	000	00 - 0200		03	5 00 -	0500		04	500 -	0800			1	0900	1100
SPEED (KTS)	GE 10	GE 15	GE25 086	GE 10	CE 15	GE 25	08\$	GE 10	GE15	GE25	089	;	GE 10	GE 15	GE 25	065
CATEGORY A	2.4	.3	<i>7</i> 518	1.7	.2	.0	9326	2.0	.5	.0	17092		5.4	1.0	.1	17365
CATEGORY B	2.4	.3	7518	1.7	.2	.0	9327	2.3	.6	.0	17150		6.2	1.7	.1	17436
	•	•••••		•••••	• • • • •	• · · · · •	•••••	• • • • • • • • • • • • • • • • • • • •		· · · · · ·						
TIME (LST)	ļ	120	30 - 1400		15	- 00	1700		11	8 00 -	2000				2100	- 2300
SPEED (KTS)	GE 10	GE 15	GE 25 08S	GE10	GE 15	GE 25	085	GE 10	GE 15	GE25	088	:	GE 10	GE 15	G E 2 5	085
CATEGORY A	i , B.1	1.8	.1 16820	9.5	2.4	.1	13133	7.1	1.6	.0	9294	•	4.3	.8		7517
CATEGORY B	9.3	3.1	.3 16885	10.1	3.1	.3	13150	7.1	1.6	.0	929	4	4.3	.8		7517
	• • • • • • •	• • • • • • • • • • • • • • • • • • •			 	 				 						•••••
TIME (LST)	}			06	0 0 - 2	2000				Al	LL :	HOURS				
SPEED KTS] 			GE10 GE	15 G	25	088		GE	10 GI	E 15	GE 25	OE	ss		
CATEGORY A				6.2 1	.4	.1	73704		5	.3	1.2	.0	9806	55		
CATEGORY B	! 			6.8 2	.0	.2	73915		5	.8	1.6	.1	9827	77		

PPPPP	PPPPPPPP AAAA	AAA	RRRR	RRRR	111111111	HH	нн	
PPPPP	PPPP	AAAA	AAAA	RRRR	RRRRR	11 11111 1111	нн	нн
PP	PP	M	AA	RR	RR	17	HH	нн
PP	PP	AA	AA .	RR	RR	TT	HH	нн
PPPPP	PPPP	AA	AA	RRRR	RRRRR	TT	нинки	ннннн
PPPPP	PPP	AAAAA	www	RRRR	RRRR	T T	нинии	нники
PP		AAAAA	AAAAA	RR	RR	TT	HH	нн
PP		AA	AA	RR	RR	ΥŢ	NH	HH
PP		AA	AA	RR	RR	ΤŢ	нн	HH
PP		AA	AA	RR	RR	77	нн	HH

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PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AMS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE MATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 36-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (Aman) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES" FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES" FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD
"BASE TEMPERATURE" AT UNICH (AT LEAST THEORETICALLY) NO HEATING OR
COOLING IS REQUIRED. 'F ANOTHER BASE TEMPERATURE IS USED IN THESE
TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

HEATING DEGREE DAYS FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION	i NUM	S ER: 690		N MOLTAT		MY PROVI	ING GROUNI	OS UT		PER	100 OF	RECORD:	JAN 51	- DEC 6 ა
YEARS	ï	JAN	FEB	HAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	KKA
•••••	• • • • •	•••••	*******	• • • • • • • •		• • • • • • • •	• • • • • • • •			• • • • • • •		•••••		•••••
1951	1	1108	806	833	379	174	69			45	424	809	1168	5815
1952	- 1	1162	947	949	394	116	29			31	284	980	1012	5904
1953	- 1	751	809	641	512	326	21			12	353		1166	5199
1954	i	955	778	794	325	116	77			62	384	656	1123	5270
1955	}	1421	1140	821	494	225	58			104	344	840	903	6350
1956	,	951	1171	695	426	156	16		2	42	357	926	1119	5861
1957		1271	690	651	448	227	43		•	91	404	907	978	5710
1958		1090	636	780	503	116	3			98	336	-	915	5325
1959	- 1	950	825	712	382	255	17			147	376		1170	5663
	1	1319	974	632	413	181	6		15	18	364	689	1101	5712
1960	ŀ	1313	7/4	032	413	101			,,	10	304	007	1101	37.16
1961	1	1182	749	714	453	186	4			179	442	907	1049	5865
1962	į	1324	878	818	326	203	64	2	9	29	300	679	1136	5768
1963	i	1359	694	766	570	83	94		1	15	207	728	1248	5765
1964	- 1	1224	1010	875	507	262	89		27	94	322	796	932	6138
1965	i	928	814	843	367	277	33		3	181	298	547	1128	5419
1966		1106	918	703	442	83	14		3	45	449	655	1168	5586
MEAN	1	1131	864	764	433	186	39	0	3	74	352	775	1082	
SD	1	187.09	154.06	90.88	70.60	72.52	31.16	.50	7.45	56.06	63.06	126.75	104.83	

COOLING DEGREE DAYS FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NAME: DUGWAY PROVING GROUNDS UT LST TO UTC: + 7STATION NUMBER: 690110

PERIOD OF RECORD: JAN 51 - DEC 66

					•									
YEARS	1	JAN	FEB	HAR	AFR	MAY	JUN	JUL	AUG	SEP	oct	NOV	DEC	KAN
	â					•				•	_			
1951	ļ				_	34	122	426	338	91	5			1016
1952	- 1				3	31	175	408	458	147	.1			1223
1953	1					00	171	517	424	162	11			1265
1954	- 1				2	92	166	497	330	137	5 9			1233
1955	i					16	164	394	425	156	2			1157
1956	1				1	64	250	420	328	150	5			1218
1957						11	193	446	431	109	6			1196
1958	İ					129	247	385	453	158	5			1377
1959	-				11 1	22	299	458	332	105	2			1229
1960	ı				1	46	255	508	313	158	11			1292
1961	1				•	51	326	494	419	71				1362
1962	ì				1 9	46	204	377	344	130	31			1141
1963	- }					36	78	454	440	146	36			1190
1964	i					58	121	484	355	59	2			1079
1965	i				8	9	106	417	297	40	5			882
1966	i					95	204	51 3	356	156	1			1325
MEAN		• • • • • • •			2	46	192	449	376	123	8			
SD	1				3.66	35.17	69.56	47.78	54.58	39.55	10.46			

AUS CLIMATIC BRIEF

(LIMITED)

STATION NAME: DUGUAY PROVING GROUNDS/MICHAEL AAF UT

LATITUDE/LONGITUDE: 40 12 N 112 56 W

FIELD ELEV: 4349 FT STATION MSC: 690110

HOURLY OBS POR: 6005-7012, 7301-7606, 8401-9004 CALL SIGN: KDPG
SUMMARY OF DAY POR: 4306-4601, 4912-6702 (FULL TIME), 6703-7606, 8407-9004 (PART TIME - CLOSED WEEKENDS)
HOURS SUMMARIZED: 00-23 LST (EXCEPT VARIABLE HOURS 6703-7606 AND: 06-17 LST 8401-9004)

AUG 90 LST TO UTC: +07 SUPERSEDES: JUN 74

															•
MONTH	JAN	FEB	MAR	APR	HAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR	İ
A EXTRM MAX TEMP (F) MEAN MAX TEMP (F) MEAN TEMP (F) MEAN MIN TEMP (F) G EXTRM MIN TEMP (F)	66 38 27 17 -25	70 44 34 24 -27	80 52 40 28 -6	95 62 50 36 13	97 73 60 46 21	107 83 69 54 31	109 94 78 63 27	105 91 76 60 39	101 80 65 49 27	89 67 53 38 17	78 50 39 27 -8	64 39 29 19 -17	109 65 52 38 -27	44 36 36 36 44	
D/W TEMP GE 100 (F) D/W TEMP GE 90 (F) D/W TEMP LT 33 (F) D/W TEMP LT 0 (F)	0 0 28 3	0 0 23 1	0 0 22	0 # 10 0	0 1 2 0	1 10 # 0	4 25 # 0	1 21 0 0	# 5 1 0	0 0 8 0	0 0 22 1	0 0 28 1	6 62 144 6	36 36 36 36	
A COOLING DEGREE DAYS	1131	864 0	764 0	433 2	186 46	39 192	# 449	3 376	74 123	352 8	775 C	1082 0	5703 1196	16 16	İ
MEAN DEMPOINT TEMP (F) MEAN MET BULB TEMP (F) 99.95% MCPA (FT)	16 23 4950	22 30 4900	22 33 4950	26 40 4950	31 47 4800	37 53 4750	40 59 4550	41 57 4550	34 50 4700	29 42 4750	26 34 4800	20 25 4900	29 41 4850	20 20 20	
MEAN REL HUM 07 LST(%) MEAN REL HUM 13 LST(%)	74.7 57.9	75.3 52.8	68.3 40.9	60.1 33.4	51.2 27.5	45.4 25.0	39.1 19.8	34.0 21.8	50.3 26.7	60.2 34.3	71.9 47.2	78.4 62.4	59.4 37.3	50 50	
8 MAX 24HR PRECIP (IN) 8 MAX PRECIP (IN) MEAN PRECIP (IN) 8 MIN PRECIP (IN) D/W PRECIP GE .01 (IN) D/W PRECIP GT .50 (IN)	.70 1.54 .48 # 5	.84 1.58 .55 .01 5	2.84 4.86 .73 # 5	.95 1.95 .80 .08	.96 2.96 .70 .04 5	1.15 2.46 .76 .00 4	1.11 1.29 .35 # 4	1.01 1.89 .51	1.17 3.16 .44 .00 3	1.02 2.00 .50 .00	.95 1.48 .51 # 4	.71 2.33 .60 # 6		44 44 36 44 36 36	
MAX 24HR SNFL (IN) HAX SNFL (IN) MEAN SNFL (IN) D/W SNFL GE .1 (IN) D/W SNFL GE 1.5 (IN)	5.7 10.0 3.9 4	5.1 11.8 3.3 3	4.8 15.6 3.5 2 1	4.0 7.8 1.3 1	3.7 6.4 .5 1	# # 0 0	0 0 0 0	0 0 0 0	# # 0 0	1.6 7.0 .1 1	- 6.0 8.2 2.0 2	4.4 15.6 3.7 3	6.0 28.4 18.9 17 6	36 44 36 36 36	
WAX DLY SNO DEPTH (IN)	8	10	9	3	2	0	0	0	0	1	7	12	12	44	i
PRYLING WIND DIR (DEG) MEAN WIND SPD (KTS) MAX WIND SPD (KTS)	\$14-16 64	\$14 - 16 4 50	\$17-19 6 59	17-19 6 81	\$17-19 6 62	\$17-19 5 58	17-19 5 62	\$17-19 5 56	\$14 · 16 5 52	\$14 · 16 4 54	\$14 · 16 4 68	\$14 - 16 3 45	\$17-19 5 81	20 20 27	
SKY COVER GT 5/10 (%) D/W THUNDERSTORMS D/W FOG (VSBY LT 7 MI)	59.5 # 6	58.7 # 4	56.6 1 2	57.9 1 2	50.4 2 1	36.9 2 1	29.5 4 0	29.5 4	28.3 2 1	35.0 1 1	54.4 1 2	61.5 1 7	46.3 19 27	20 33 33	

LEGEND: ANN = ANNUAL

D/W = MEAN MUMBER OF DAYS WITH

& = BASED ON LESS THAN FULL MONTHS ** * INSTANTANEOUS PEAK WINDS

* = DATA NOT AVAILABLE

POR/YOR = PERIOD/YEARS OF RECORD

MCPA . WORST CASE MAXIMUM PRESSURE ALTITUDE

= LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE

\$. PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN

WIND DIRECTION

									CEILING						
	MONTH	JAN	FEB	MAR	APR	HAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST 00 - 02 03 - 05 06 - 08 09 - 11 12 - 14 15 - 17 18 - 20 21 - 23 ALL	9.1 9.0 11.8 11.4 10.0 8.7 8.1 9.5	4.1 4.6 7.6 8.2 8.5 6.4 4.1 2.7 6.5	4.1 3.6 5.6 5.7 5.5 5.6 3.4 4.2 5.0	3.7 2.8 4.7 5.1 5.1 5.6 5.3 3.5 4.7	1.1 1.3 1.9 2.5 2.5 2.1 2.3 .9 2.0	.5 .6 1.1 .9 .8 1.0 .7 .0	.0 .0 .1 .1 .1 .0	.0 .0 .1 .0 .0 .7 .7	.0 .2 .1 .5 1.4 .7 .0	.5 .4 1.1 2.6 2.4 2.8 1.2 .9	4.3 3.5 3.3 4.5 3.3 2.0 2.7 3.7	17.7 17.6 18.0 16.3 12.8 10.4 12.2 14.7	3.9 3.6 4.6 4.8 4.4 3.8 3.4 3.3	7 14 20 20 20 20 14 7
CIG LT 1500 FT AND/OR V88Y LT 3 MI	00 - 02 03 - 05 06 - 08 09 - 11 12 - 14 15 - 17 18 - 20 21 - 23 ALL	8.0 7.9 9.7 10.0 8.1 6.5 5.8 7.8 8.2	2.4 3.2 5.6 6.1 4.9 2.9 1.6 .7	1.7 2.5 3.4 3.0 2.5 3.1 2.6 2.4 2.8	2.0 .7 2.4 2.2 2.3 3.1 2.4 2.0 2.2	.6 .5 .6 .4 .2 .7	.0 .2 .3 .1 .1 .6 .0 .0 .2	.0 .0 .1 .1 .1	.0 .0 .0 .0 .0 .2 .4 .0 .1	.0 .1 .3 .4 .1 .0	.0 .1 .6 1.0 1.0 .8 .1 .0	1.9 2.1 1.9 3.2 1.9 .7 1.4 2.4 2.0	13.8 12.8 14.3 13.5 10.4 7.3 7.4 10.3 11.4	2.5 2.5 3.2 3.3 2.7 2.1 1.9 2.1 2.6	7 14 20 20 20 20 20 14 7 20
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02 03 - 05 06 - 08 09 - 11 12 - 14 15 - 17 18 - 20 21 - 23 ALL	7.4 7.2 8.4 8.4 6.3 5.2 5.0 6.3 6.9	2.4 3.1 3.7 4.1 2.7 2.4 .9 .7 2.8	1.0 1.7 2.7 2.0 1.4 1.5 1.6 1.2	.9 .3 1.3 1.3 1.1 1.1 .8 .6	.6 .5 .4 .4 .3 .1 .4 .2	.0 .2 .2 .0 .0 .0	.0 .0 .1 .1 .0 .0	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0 .1 .1 .2 .1 .0 .0 .1	.0 .1 .4 .6 .6 .3 .0	1.3 1.8 1.3 2.3 1.3 .6 .5 1.4	9.8 10.5 11.5 10.9 7.7 6.1 6.3 8.4 9.0	1.9 2.1 2.5 2.5 1.8 1.4 1.3 1.6	7 14 20 20 20 20 14 7 20
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02 03 - 05 06 - 08 09 - 11 12 - 14 15 - 17 18 - 20 21 - 23	2.8 2.6 3.7 3.5 2.1 2.2 2.4 2.8 2.8	1.5 1.2 1.5 1.3 .4 .5 .4	.3 .8 .9 .2 .2	.0 .0 .1 .3 .0 .0	.0 .0 .1 .1 .0	.0 .1 .0 .0 .0	.0	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0 .0 .3 .1 .1 .0 .0	.5 .6 .9 .4 .1 .3	4.5 6.3 6.1 4.1 1.6 .7 1.1 2.9	.8 .9 1.1 .9 .4 .3 .4	7 14 20 20 20 20 20 14 7 20

| ALL | 2.8 | .7 | .4 | .1 | .

HURRICANES/TROPICAL STORMS OBSERVED ; NONE

REMARKS : @ SUMMARY OF THE DAY DATA SUPPLEMENTED FROM:

CLIMATOLOGICAL DATA (NCDC PUBLICATION) FOR UTAH (DUGWAY DATA: 1976-1984).

BB HEATING/COOLING DEGREE DAY DATA DERIVED FROM DUGWAY HOURLY OBSERVATIONS, POR: 5101-6612.

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